



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71083

Entry Year 2023

Acreage: 3,939

County Ogemaw

Management Area: Ogemaw Hills

Stand Examiner: Jason Lewicki

Legal Description:

T23N, R01E Sections 23 and 24.
T23N, R02E Sections 19, 30 and 31.
T22N, R01E Sections 1 and 12.
T22N, R02E Sections 6 and 7.

Identified Planning Goals:

Vegetation management in the Ogemaw Hills management area will provide timber products; maintain or enhance wildlife habitat; protect areas of unique threatened, endangered and special concern species; and provide for forest-based recreational uses. Timber management for this 10-year planning period will focus on harvesting older jack pine, balancing the age-class distributions of oak and aspen and regenerating red pine. Wildlife habitat management objectives include perpetuating early-successional communities for species adapted to young forests for hunting and other wildlife-related recreation opportunity. Expected trends within this 10-year planning period are the need to regenerate oak and red pine, continue to balance aspen age-class distributions, an expected increase in recreation pressure and continued wildfire prevention and suppression.

Soil and topography:

The compartment is generally "high and dry" with very little lowlands. Soils on the uplands consist mainly of Rubicon, Croswell, Montcalm Loamy, and Greycalm sands. The lowlands are dominated by Lupton and Loxley peats. The topography is generally rolling with some hilly areas in the southern end of the compartment.

Ownership Patterns, Development, and Land Use in and Around the Compartment:

Ownership around the compartment is mixed between private and State of Michigan ownership. Ownership to the south of the compartment is primarily private lands dominated by agriculture.

Unique Natural Features:

None known.

Archeological, Historical, and Cultural Features:

There are multiple archeological sites within the compartment.

Special Management Designations or Considerations:

None known

Watershed and Fisheries Considerations:

None known

Wildlife Habitat Considerations:

This compartment is located just west of the West Branch Field office between Fairview and Clear Lake (north/south portion) Roads and bisected by Clear Lake Road (east/west portion). Stand types include aspen, oak, and mixed hardwoods. The compartment is important to deer, turkey, grouse and woodcock. Black bear and snowshoe hare also frequent the compartment, especially in association with the lowland areas of the compartment. This compartment sees heavy pressure for hunting. Management considerations include treatments that will promote hard and soft mast production for wildlife including retention of large crown mast producing trees when possible. Early successional species such as aspen should be managed to ensure young stands are always available for grouse and woodcock. To promote snowshoe hare and other small mammals, brush piles will be constructed in association with timber harvests along lowland edges. Aspen stands will be managed to promote young forests for early successional wildlife species. Whenever possible, aspen harvests will include drumming logs to enhance breeding habitat for ruffed grouse. Currently there are no managed wildlife openings within the compartment.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial metallic mineral production in this part of the state. Multiple active sand/gravel pit occur just to the southeast, and there appears to be some good potential for sand and gravel within the compartment. The nearest oil and gas production, past or present, is just to the south and southwest. There have been few wells drilled in the area of the compartment, and there is no mineral leasing activity in the compartment. Potential for oil and gas beneath the compartment is considered low at this time. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights.

Vehicle Access:

Vehicle access is excellent throughout the compartment with multiple gravel and paved county roads. Numerous State owned "two tracks" and a designated ORV trail increase the areas accessibility.

Survey Needs:

There is survey work anticipated due to the amount of private land interface.

Recreational Facilities and Opportunities:

Designated Ogemaw Hills ORV Trail & Route occur in section 1 and 6 along with the Ambrose to Ogemaw ATV trail in section 19, 24, and 31. The area provides diverse habitat for hunting, camping, and wildlife viewing.

Fire Protection:

This compartment has no recent history of any significant fires, a moderate level of wildland-urban interface factors, no large concentrations of high hazard fuel types, and numerous natural and man-made barriers to fire spread.

Additional Compartment Information:

The following reports from the Inventory are attached:

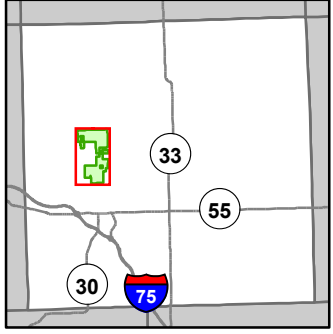
- Total Acres by Cover Type and Age Class
- Cover Type by Harvest Method
- Proposed Treatments – No Limiting Factors
- Proposed Treatments – With Limiting Factors
- Stand Details (Forested and Nonforested)
- Dedicated and Proposed Special Conservation Areas
- Site Condition Details

The following information is displayed, where pertinent, on the attached compartment maps:

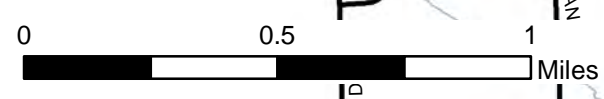
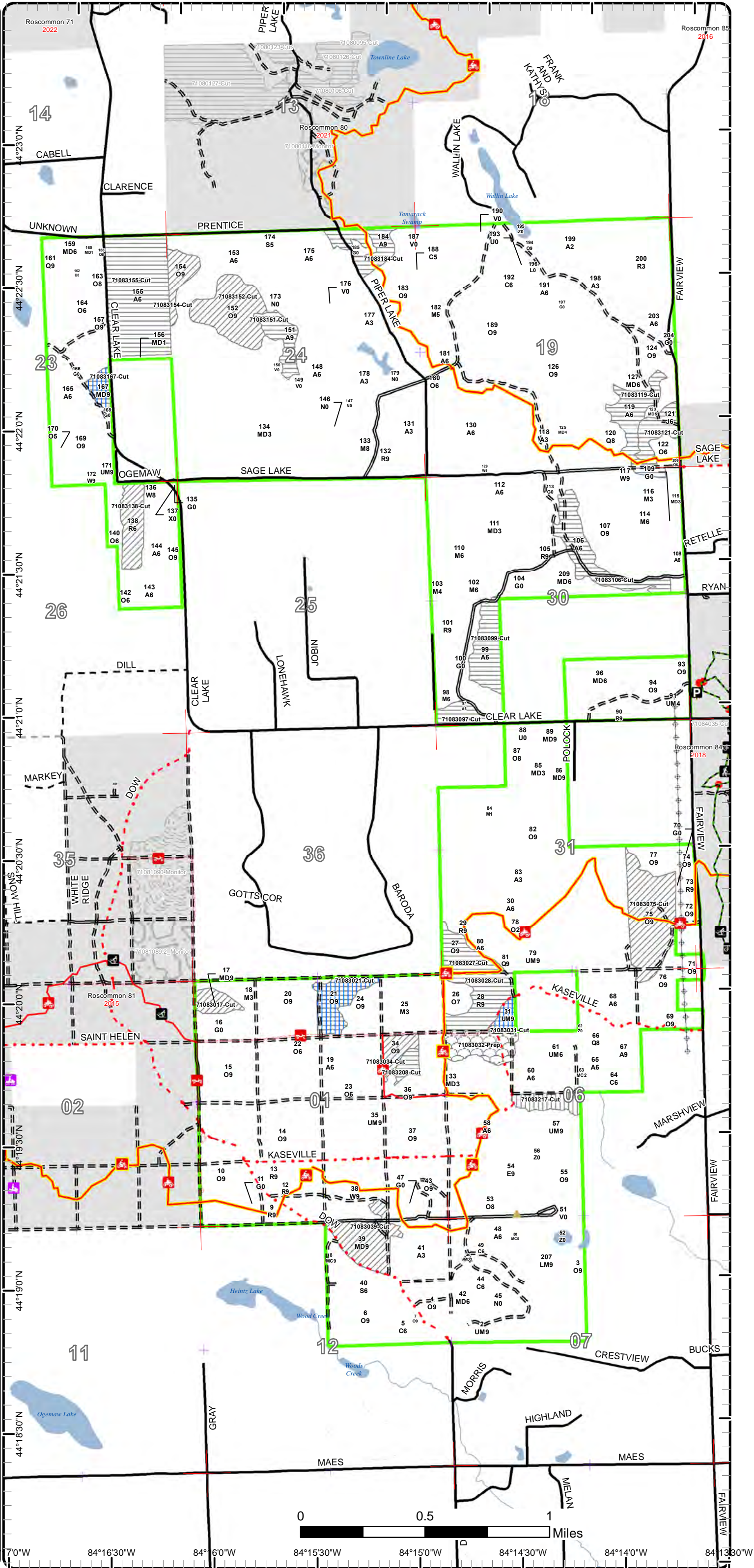
- Base feature information, stand boundaries, cover types, and numbers
- Proposed treatments
- Site condition boundaries
- Details on the road access system

Cover Type & Treatments Map

Compartment: 83
 T23N, R01E, Sec. 23, 24, 26
 T23N, R02E, Sec. 19, 30, 31
 T22N, R01E, Sec. 1, 12
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 Unit: Roscommon
 Mgmt Area: Ogemaw Hills
 YOE: 2023
 Acres: 3938.6 GIS Calculated
 Examiner: Jason Lewicki
 Map Revised: 4/15/2022



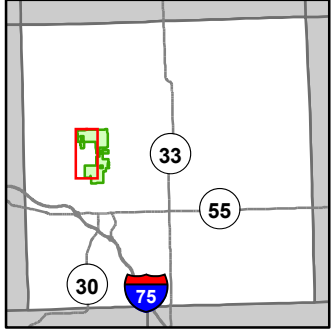
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- Berms
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- Sign
- Trailhead
- Powerline
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- Clearcut (w/Reserves)
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- Shelter Wood (w/Reserves)
- Site Prep
- 411 - Northern Hardwood
- 412 - Oak Types
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- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed Non-forested Wetland



70°W 84°16'30"W 84°6'0"W 84°15'30"W 84°15'0"W 84°14'30"W 84°14'0"W 84°13'30"W

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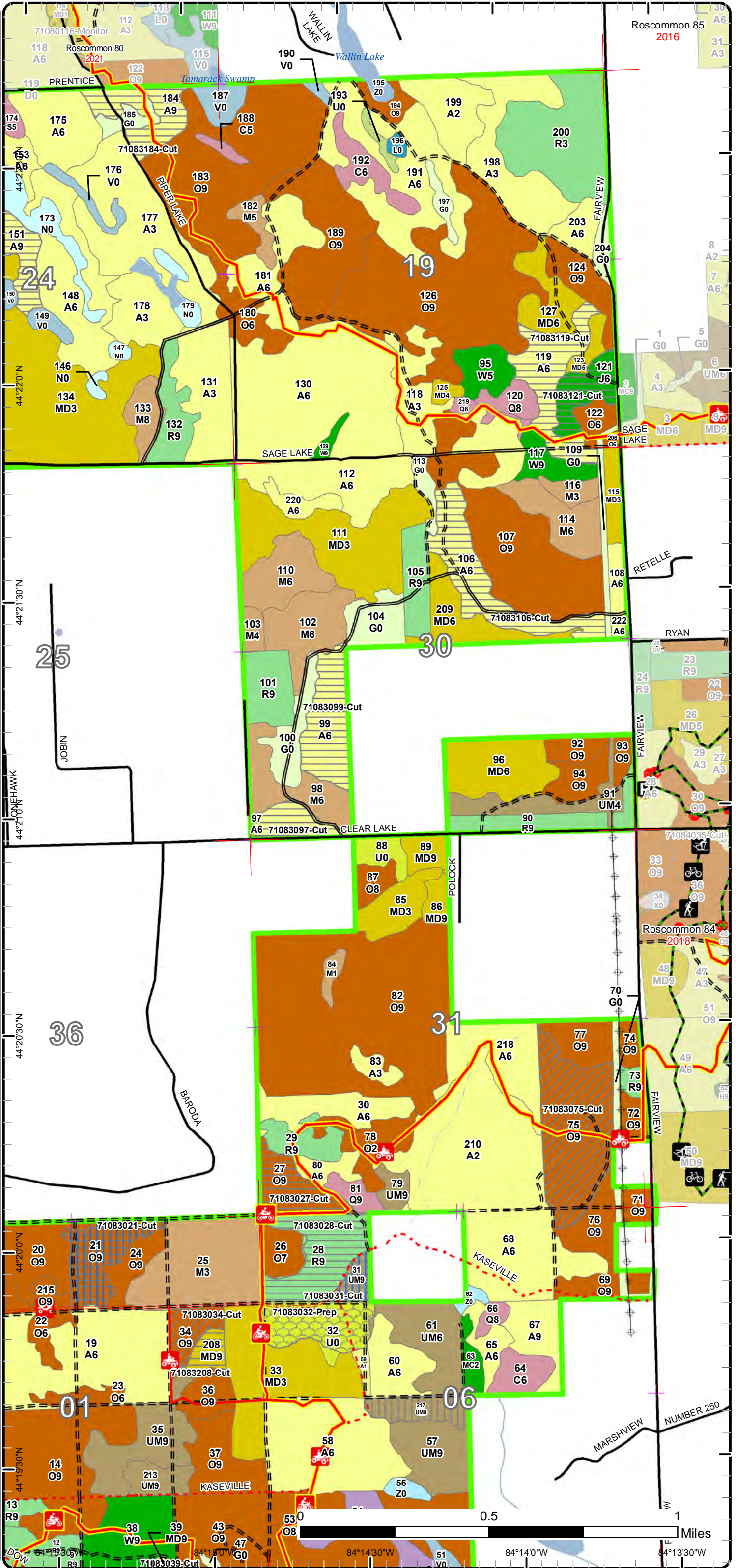
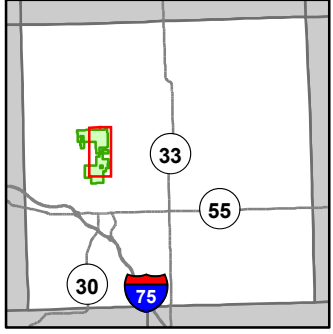


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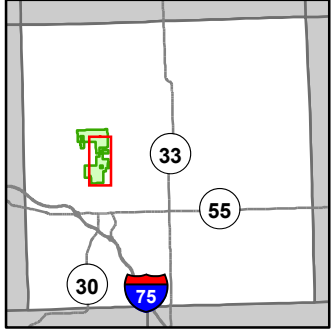
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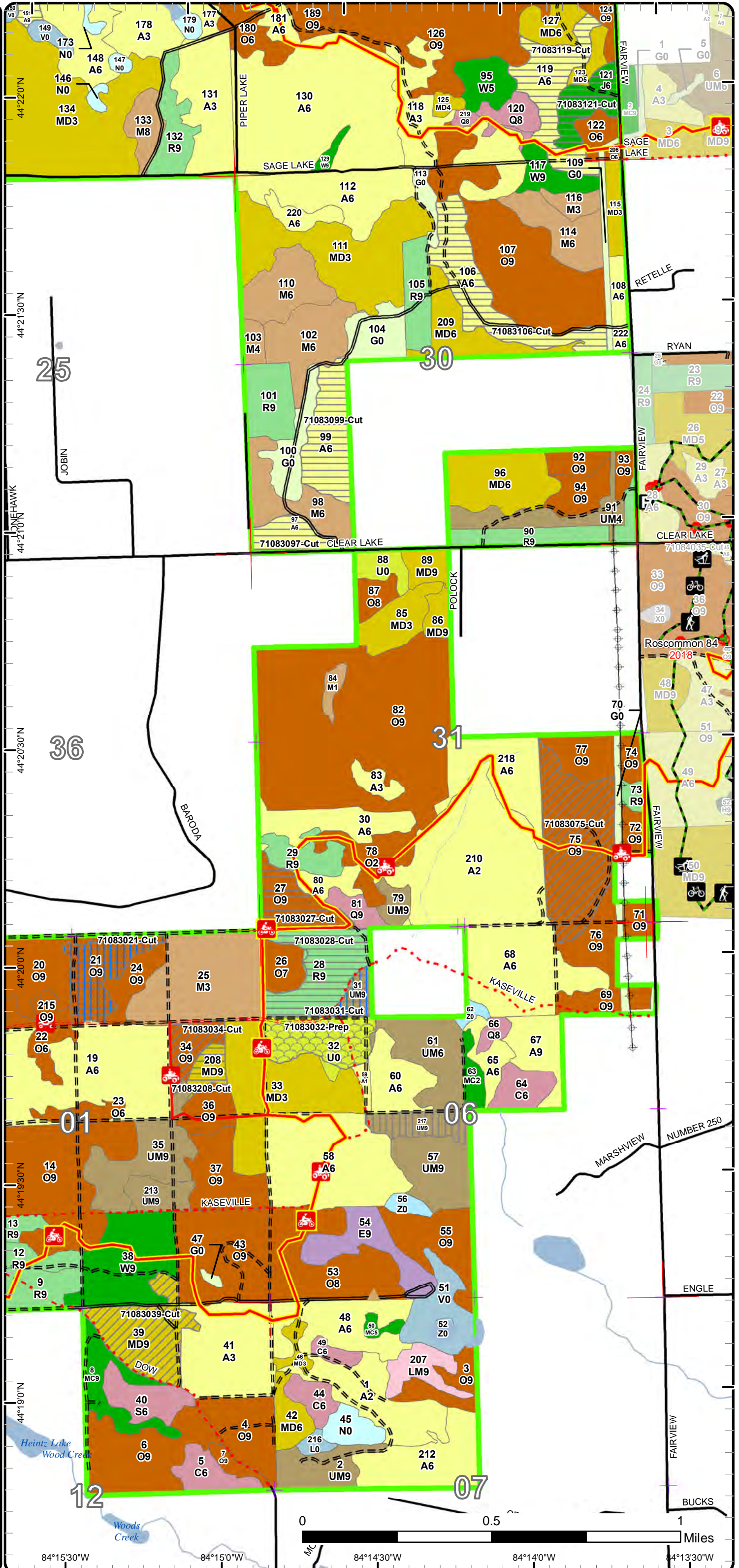
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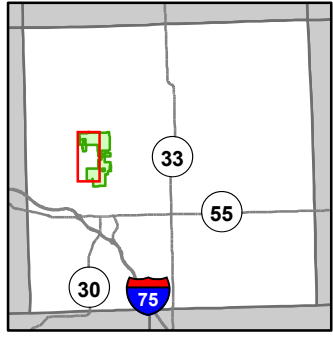


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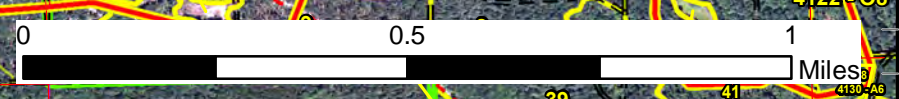
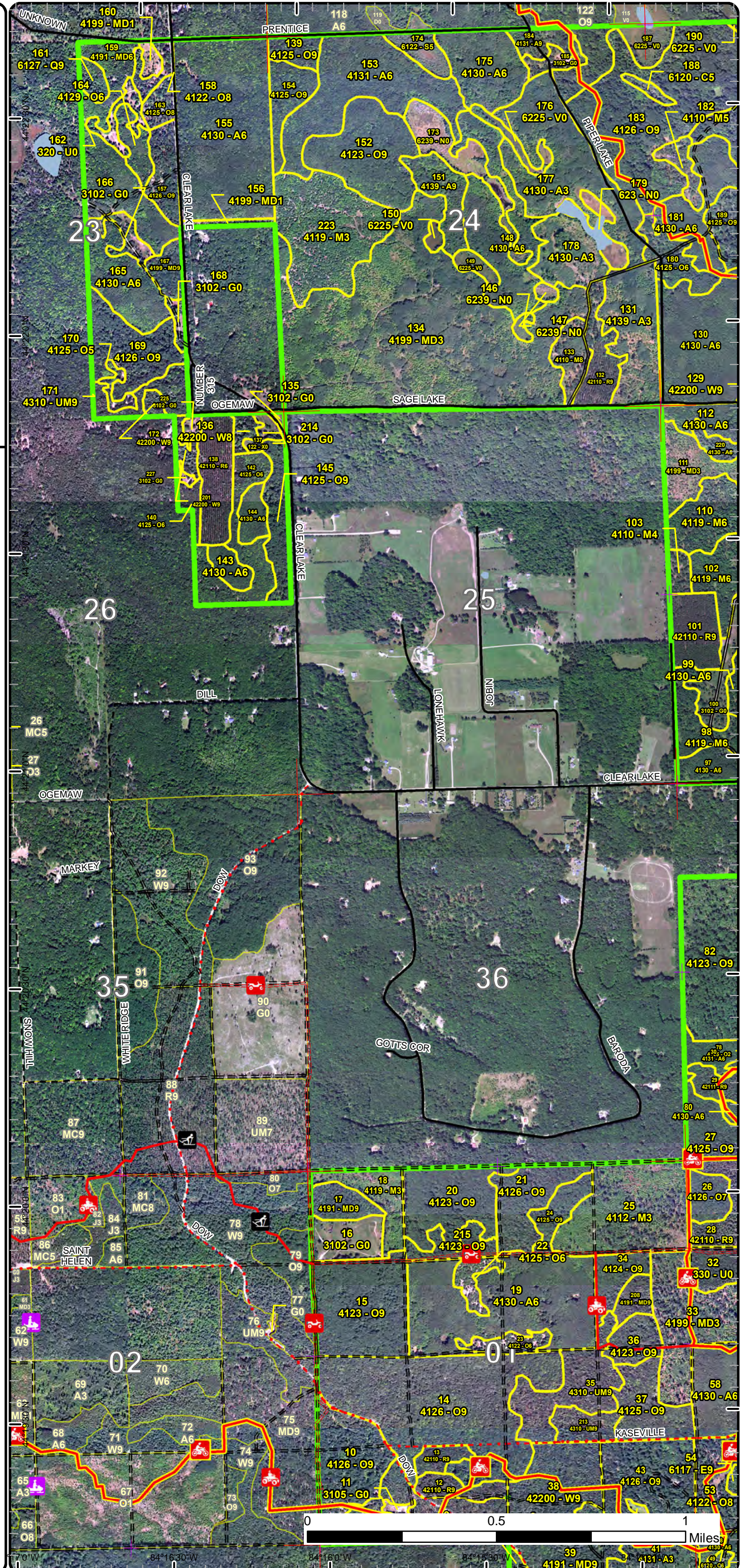


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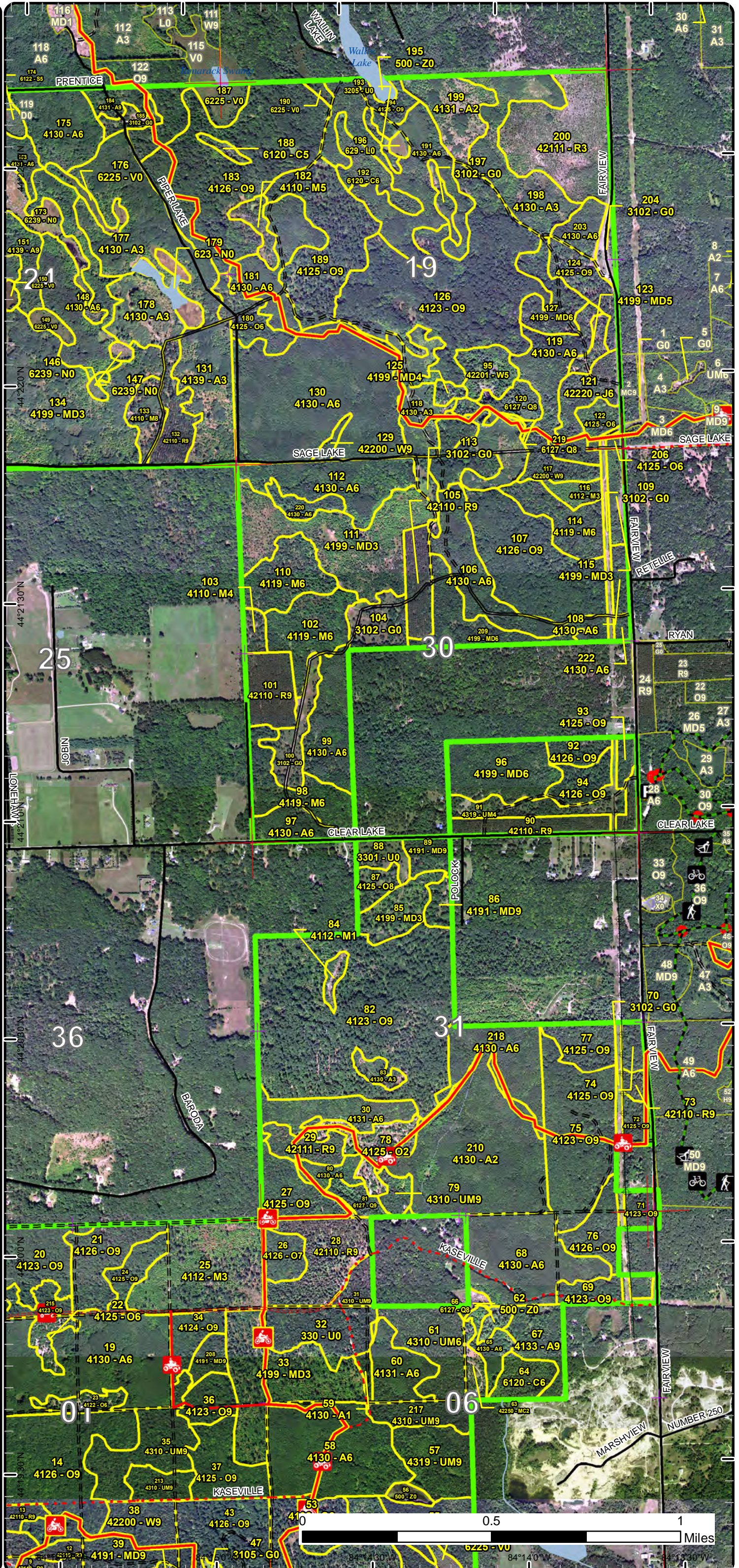
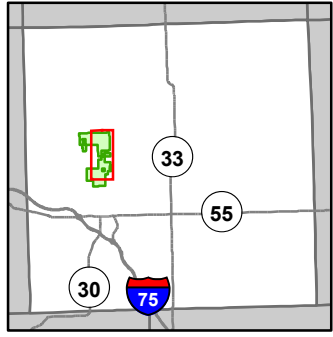
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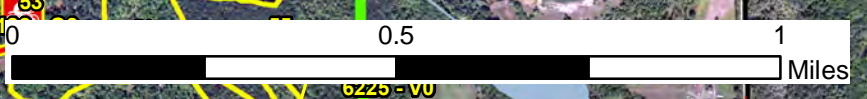
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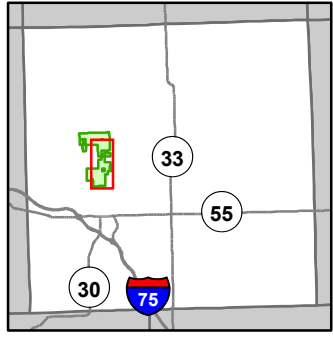


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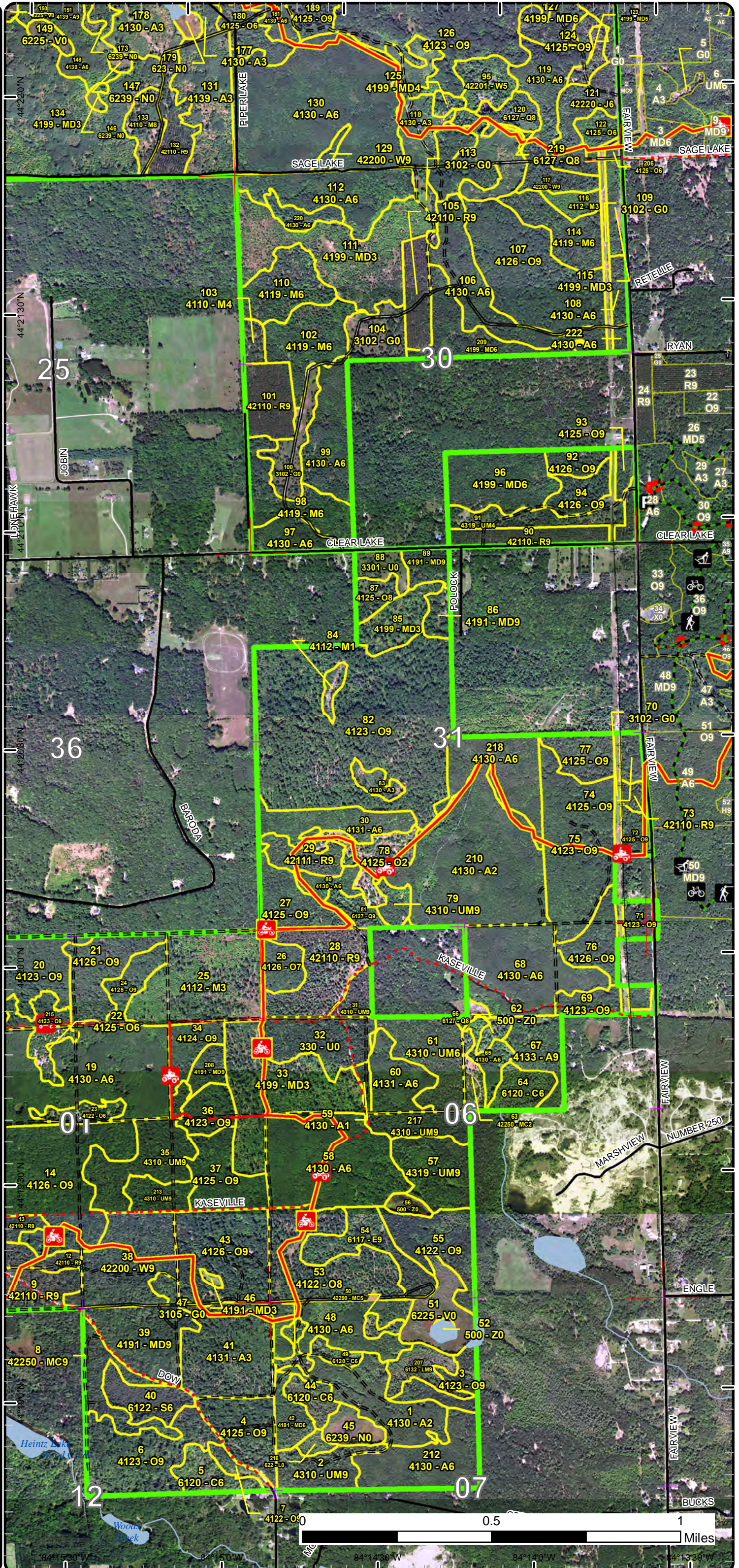


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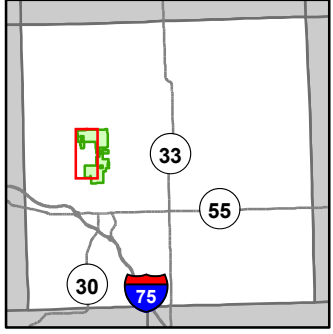


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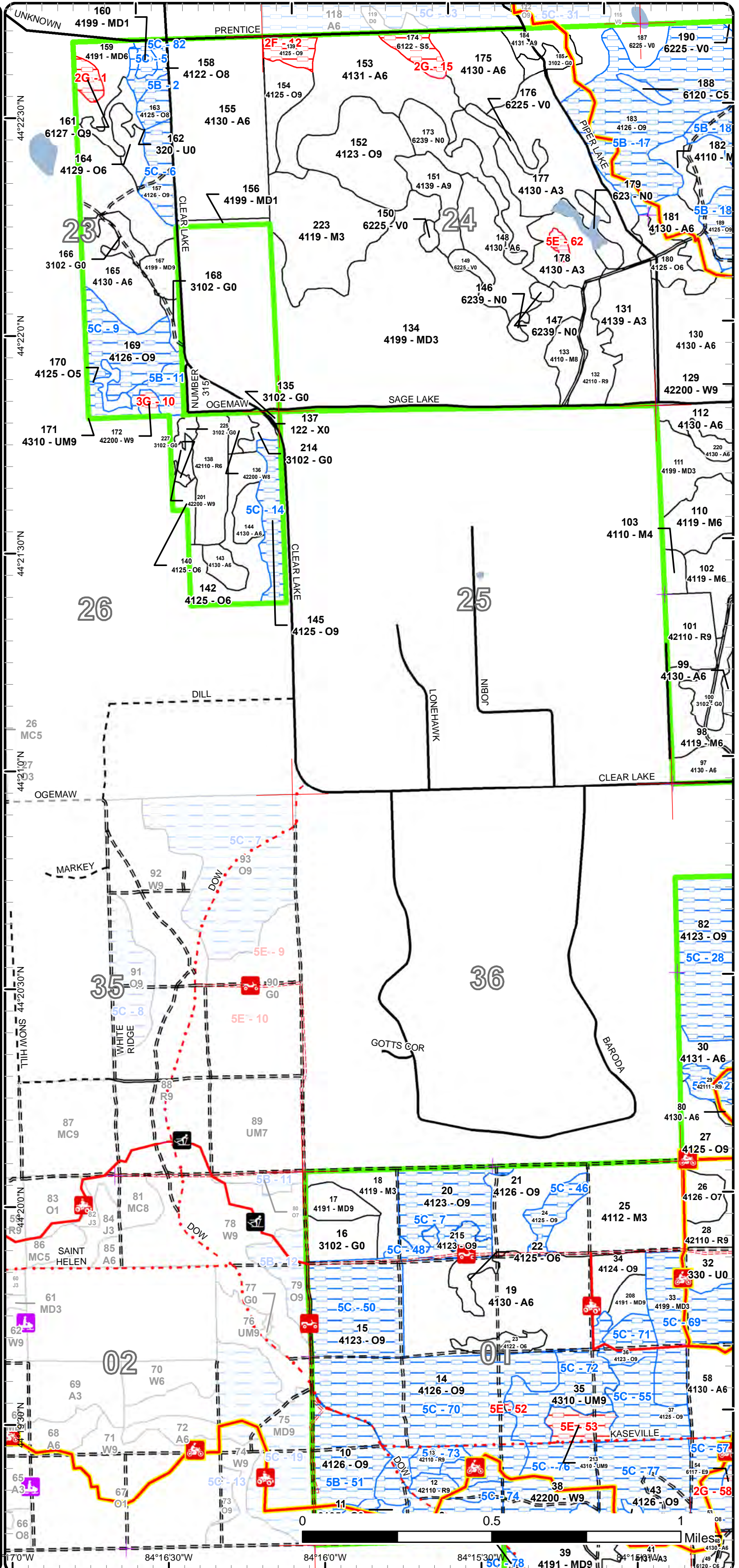


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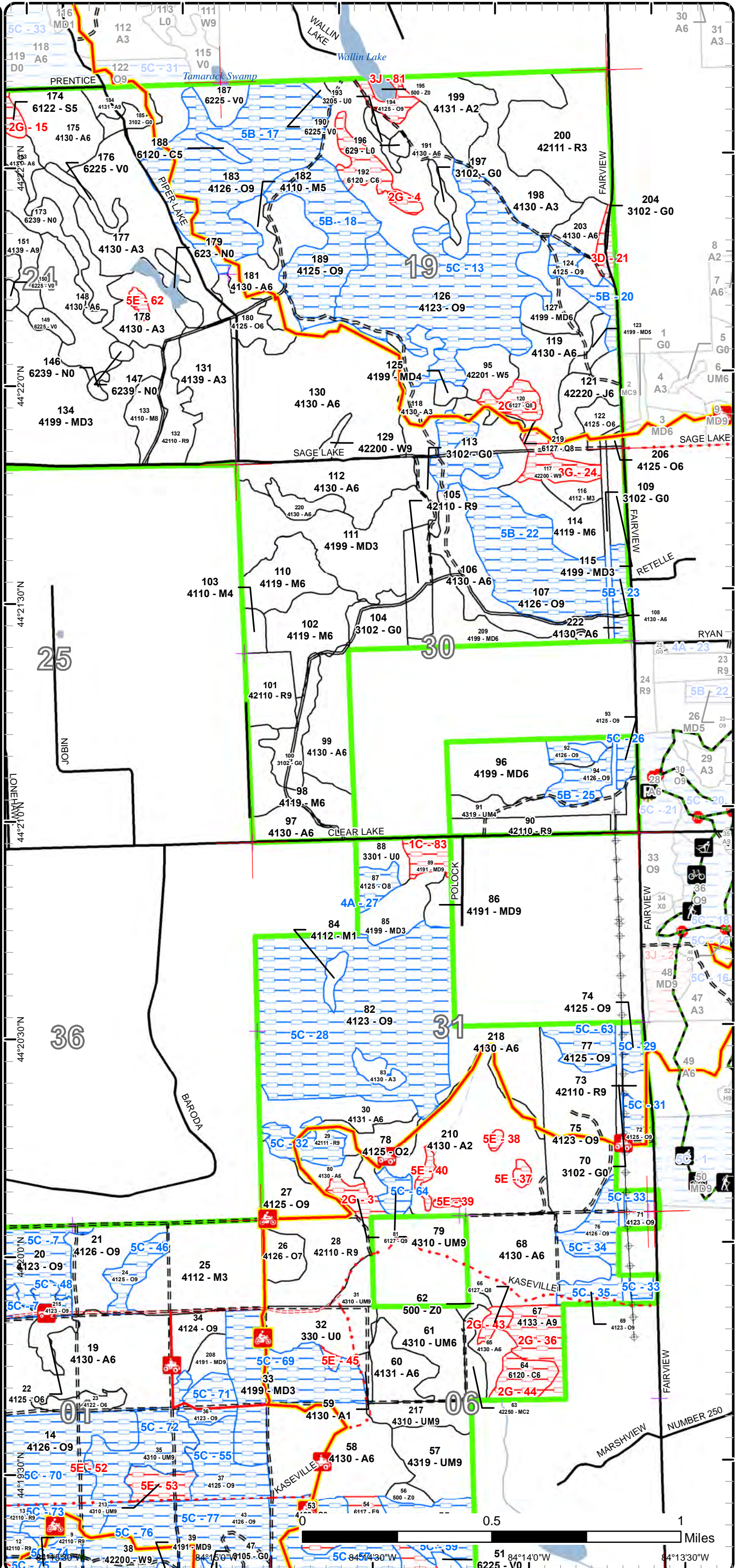
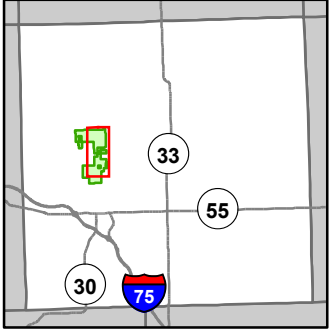


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- Available w/ Constraints
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3G: Other Influence zones - See comments
- 5E: Long-Term Retention
- Stand Boundaries



Special Conservation Areas

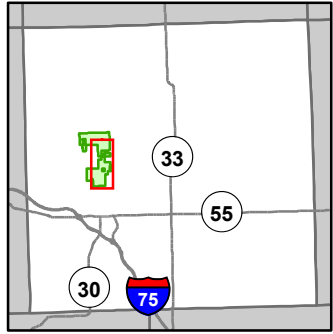
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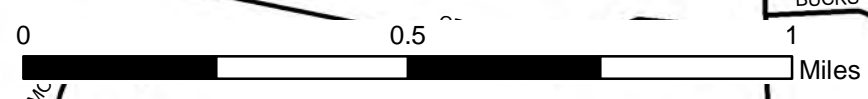
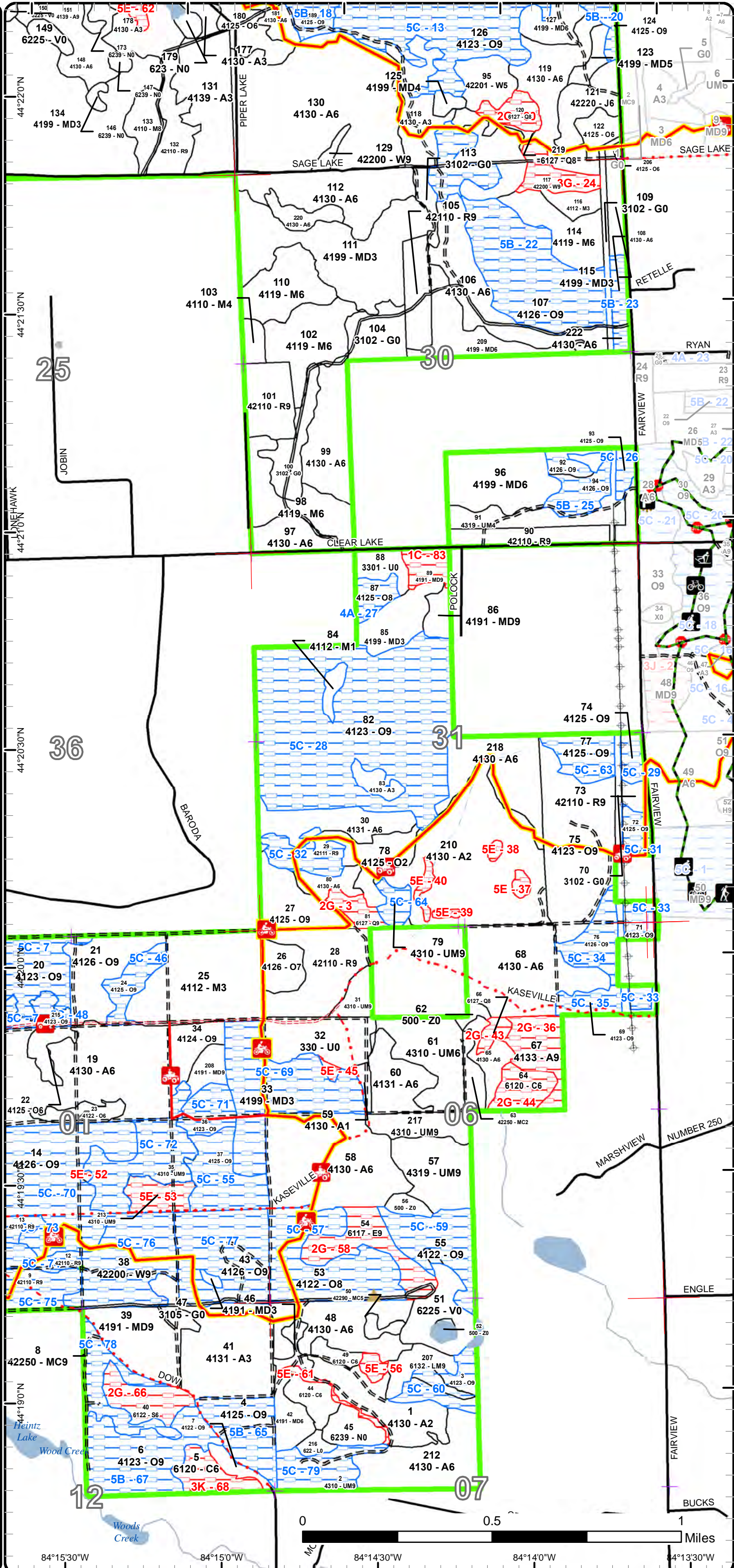
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- 2G: Too wet (sensitive soils, does not include access issues)
- 3D: Recreational / Scenic values
- 3G: Other Influence zones - See comments
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes

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- ORV Routes
- Designated Hiking Trails
- Designated Bicycle Trails
- Designated Ski Trails
- Designated Multi-Use Trails
- Designated ATV
- Designated ORV Route
- Michigan Cross Country Cycle Trail (MCCCT)
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Berms
- P Parking Lot
- Sign
- Trailhead
- Powerline
- Compartment Boundary
- Available w/ Constraints
- 4A: No Markets Available for these Forest Products
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 1C: Other dept or div proc/practices
- 2G: Too wet (sensitive soils, does not include access issues)
- 3G: Other Influence zones - See comments
- 3K: Rare or unique landforms
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes



84°15'30"W 84°15'0"W 84°14'30"W 84°14'0"W 84°13'30"W

Report 1 – Total Acres by Cover Type and Age Class

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment 83 Year of Entry 2023



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	104	95	144	245	516	91	15	0	0	0	18	0	0	0	0	0	0	1227
Bog	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	24	0	21	0	0	0	45
Herbaceous Openland	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	88
Jack Pine	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	14
Low-Density Trees	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
Lowland Conifers	0	0	0	0	0	0	0	6	0	0	0	0	4	10	0	0	3	0	23
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	19
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	11
Lowland Shrub	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	7	0	13	0	0	0	0	0	20
Marsh	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36
Mixed Upland Deciduous	0	0	22	233	17	70	9	0	5	7	0	0	45	51	0	0	0	0	457
Natural Mixed Pines	0	0	0	0	8	0	0	0	0	16	0	0	0	0	0	0	0	0	24
Northern Hardwood	0	0	69	47	43	45	14	0	0	0	0	0	0	0	0	0	0	0	218
Oak	0	0	15	0	50	13	7	0	0	0	6	219	887	40	0	0	0	0	1236
Red Pine	0	0	47	0	0	0	62	17	3	86	0	0	0	0	0	0	0	0	215
Upland Mixed Forest	0	0	0	0	0	39	0	0	11	0	15	27	38	15	0	0	0	0	145
Upland Shrub	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Urban	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Water	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
White Pine	0	0	0	0	0	0	15	0	2	0	0	39	12	0	0	0	0	0	68
Total	214	104	248	424	363	683	212	38	21	109	47	303	1034	116	21	0	3	0	3933



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2023

Acres of Harvest

Compartment 83
Total Compartment Acres: 3,939

Commercial Harvest - 471
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	198	0	0	0	0	0	0	0	0	198
Jack Pine	14	0	0	0	0	0	0	0	0	14
Mixed Upland Deciduous	6	0	0	7	0	38	0	0	0	51
Oak	17	0	0	21	0	106	0	0	0	144
Red Pine	28	0	0	0	0	19	0	0	0	47
Upland Mixed Forest	0	0	0	6	12	0	0	0	0	18
Total	263	0	0	34	12	163	0	0	0	471

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	471	21	0	0	0	0	0	0	0	492
Next Step	0	49	49	0	0	70	378	0	0	547
Total	471	70	49	0	0	70	378	0	0	1039



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Approved Treatments:

17	71083017-Cut	9.1	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	111	141-170	Harvest	Crown Thinning	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Thin stand by removing high risk black oak. Target a BA of 50- 70. Residual trees should consist of healthy large crowned oak and white pine. Remove suppressed white pine and large sawtimber red maple. Target growth and release on single stem red maple poletimber. ORV trail runs through the stand. Protect with the appropriate specs.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
21	71083021-Cut	20.8	4126 - White, Black, N. Pin Oak	Sawtimber Well	111	111-140	Harvest	Seed Tree with Retention	412 - Oak Types	Even-Aged	No
<p><u>Prescription</u> Harvest all black/red oak and leave all white oak 10" and larger that are in the canopy. Leave approximately 10 BA of white pine for seed source and diversity. Leave an island of oak for retention. There are some thicker areas of white pine poletimber along with some super canopy on the NE part of the stand. Consider this for island retention. ORV trail runs through the stand. Protect with the appropriate specs.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Oak and white pine at fully stocked levels.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
27	71083027-Cut	17.4	4125 - Black, N. Pin Oak	Sawtimber Well	111	111-140	Harvest	Clearcut with Retention	412 - Oak Types	Even-Aged	No
<p><u>Prescription</u> Clearcut stand leaving all white oak. Leave 1-3 scattered pine per acre focusing on leaving more white pine. ORV trail runs through the stand. Protect with the appropriate specs.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Oak and pine at fully stocked levels.</p> <p><u>Regen:</u></p> <p><u>Other</u> There is a old fence line on the west side. Possibly survey needed</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
28 71083028-Cut	27.8	42110 - Planted Red Pine	Sawtimber Well	80	81-110	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Clearcut stand with a 1" spec. Leave retention in the form of an island in one of the corners. Trench and plant red pine with all tools that allow free to grow. ORV trail runs through the stand. Protect with the appropriate specs.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Trenching; Pesticide, Skidder - Site Prep; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Treatments: Regen(3yr)</p> <p><u>Acceptable</u> Planted red pine at fully stocked levels.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
31 71083031-Cut	6.1	4310 - Pine, Oak Mix	Sawtimber Well	121	111-140	Harvest	Seed Tree with Retention	4122 - Oak, Pine	Even-Aged	No
<p><u>Prescription</u> Remove all black oak, jack pine and aspen. Leave basal are at around 10-20 of mixed pine. Remove all suppressed red pine. Favor leaving large crowned white pine. Leave white oak. Leave Jack pine tops scattered in hopes of some natural regeneration. Possible survey needed.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Oak and white pine at fully stocked levels.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
32 71083032-Prep	21.2	330 - Low-Density Trees	Nonstocked	0	Unspecified	SitePrep	Trenching	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Trench and plant red pine. Use all tools available to control hardwood competition</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Trenching; Pesticide, Aerial - Release; Pesticide, Skidder - Site Prep; Monitoring, Artificial Regen(1yr); Planting, Initial Plant; Treatments: Monitoring, Artificial Regen(3yr)</p> <p><u>Acceptable</u> Fully stocked, free to grow red pine plantation.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 1 /1 /2022</p>										
34 71083034-Cut	10.1	4124 - Red with White Oak	Sawtimber Well	126	111-140	Harvest	Crown Thinning	412 - Oak Types	Even-Aged	No
<p><u>Prescription</u> Thin stand from below to an average BA of 70 -80. Mark for best tree in place. Attempt to protect white pine understory but expect heavy damage. Remove poor formed and suppressed oak . Retain large crowned red and white oak. ORV trail runs through the stand. Protect with the appropriate specs.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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39 71083039-Cut	28.7	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	111	141-170	Harvest	Crown Thinning	4319 - Mixed Upland Forest	Even-Aged	No
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Prescription Thin stand down to approximately 50 -70 BA. This would allow enough sunlight to help oak and white pine subcanopy to develop. Favor nice crowned white pine and oaks especially white oak. Remove poor formed and suppressed trees. Remove approximately 2/3 of the aspen but try to leave enough surrounding canopy to prohibit much aspen regeneration. Leave aspen for future den trees and cwd. Protect the advanced sub canopy wherever possible. Leave the small area north of the 2 track for retention. There is a small intermittent wet area within.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2022

75 71083075-Cut	48.1	4123 - Red Oak	Sawtimber Well	111	111-140	Harvest	Crown Thinning	4123 - Red Oak	Even-Aged	No
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Prescription Thin stand to 70-90 BA. Remove poor formed and suppressed trees first. Focus growth on high quality red oak log trees. Mark for best tree in place. Do not remove all the red maple. ORV trail runs through the stand. Protect with the appropriate specs.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2022

97 71083097-Cut	9.7	4130 - Aspen	Poletimber Well	45	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Clearcut stand with a 2" spec and manage for aspen. Leave all oak. Use drumming log spec to increase grouse habitat.

Specs: Possible survey needed.
No area retention due to small stand size.

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Aspen at fully stocked levels.
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2022

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Treatment ID	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
99	71083099-Cut	23.7	4130 - Aspen	Poletimber Well	45	1-50	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut stand with a 2" spec and regenerate aspen. Leave an island for retention. Possible on the far north end where more oak is mixed in. Use drumming log spec to increase grouse habitat.</p> <p><u>Specs:</u> There is a wire fence along its east boundary but a possible survey is needed.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Aspen and mixed hardwoods at fully stocked levels.</p> <p><u>Other Comment:</u> Possible survey needed.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
106	71083106-Cut	30.4	4130 - Aspen	Poletimber Well	45	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut with a 2" spec. Leave an island for retention. Apply drumming log spec.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Aspen and mixed hardwoods at fully stocked levels.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
119	71083119-Cut	25.2	4130 - Aspen	Poletimber Well	45	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut aspen to a 2" spec. Leave retention around wet perimeter. Apply drumming log and brush pile spec. Place brush piles along western swamp edge. ORV trail runs through the stand. Protect with the appropriate specs.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Aspen at fully stocked levels .</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
121	71083121-Cut	13.6	42220 - Natural Jack Pine	Poletimber Well	59	81-110	Harvest	Clearcut	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Clearcut stand and attempt to protect advanced understory. Leave Jack pine tops scattered around to encourage jack pine regeneration.</p> <p><u>Specs:</u> Leave no retention due to the small size of the stand. ORV trail runs through the stand. Protect with the appropriate specs.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Any mix of hardwoods and jack pine at fully stocked levels.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											

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Treatment ID	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
138	71083138-Cut	18.8	42110 - Planted Red Pine	Poletimber Well	53	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Thin stand from below to an average BA of 90. Remove poor formed and suppressed trees first then open up the crowns of crop trees to target BA.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
151	71083151-Cut	13.7	4139 - Aspen, Mixed Deciduous	Sawtimber Well	56	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut stand with a 2" spec. Buffer wet areas and use as retention. Possible leave a few oak in the NW part of the stand for mast production. Use drumming log spec to increase grouse habitat.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen and mixed hardwoods at fully stocked levels.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
152	71083152-Cut	35.8	4123 - Red Oak	Sawtimber Well	111	111-140	Harvest	Crown Thinning	412 - Oak Types	Even-Aged	No
<p><u>Prescription</u> Thin stand from below down to an average basal area of around 70. Target poor formed and suppressed oak for removal. Focus growth on high quality red oak sawtimber. Mark for best tree in place and do not remove all of the red maple per spec.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
154	71083154-Cut	12.2	4125 - Black, N. Pin Oak	Sawtimber Well	111	141-170	Harvest	Crown Thinning	412 - Oak Types	Even-Aged	No
<p><u>Prescription</u> Thin stand from below down to an average basal area of around 70. Target poor formed and suppressed oak for removal. Focus growth on high quality red oak sawtimber. Mark for best tree in place and do not remove all of the red maple per spec.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
155 71083155-Cut	77.0	4130 - Aspen	Poletimber Well	52	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription Specs:</u> Clearcut stand and manage for aspen age class distribution per MA guidelines. Save oak component and use an island for retention. Apply drumming log spec for grouse habitat.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Aspen and mixed hardwoods at fully stocked levels.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
167 71083167-Cut	7.1	4199 - Other Mixed Upland Deciduous	Sawtimber Well	111	141-170	Harvest	Seed Tree	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription Specs:</u> Cut all aspen, red maple and unmarked pine and oak. Mark approximately 10 Sq feet of nice healthy crowned oak and pine for seed source and visuals from the road. Attempt to protect some of the pine understory.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Aspen, mixed hardwoods and white pine at fully stocked levels.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
184 71083184-Cut	18.1	4131 - Aspen, Oak	Sawtimber Well	106	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription Specs:</u> Clearcut stand and manage for aspen regeneration. Mark approximately 10 BA of nice crowned oak on the eastern ridge to stay. Use slash to control illegal orv use on adjacent stand. Apply drumming log spec. Protect designated orv trail.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Aspen and Maple at fully stocked levels.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										



Standard

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
208 71083208-Cut	6.0	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	121	81-110	Harvest	Clearcut with Retention	4121 - Oak, Aspen	Even-Aged	No
<p><u>Prescription</u> Remove all black oak and aspen. Remove red and white pine sawtimber to allow growth on oak stump sprouts. Leave 10 BA of pine and white oak. Use a 4" spec on the white pine understory but expect damage from machinery. Aspen regeneration should be the dominant regeneration following harvest.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Oak aspen and white pine at fully stocked levels.</p> <p><u>Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
217 71083217-Cut	11.5	4310 - Pine, Oak Mix	Sawtimber Well	111	111-140	Harvest	Shelterwood	412 - Oak Types	Even-Aged	No
<p><u>Prescription</u> Shelterwood stand by removing most of the black oak and aspen. Save the white oak and possibly a few large crowned healthy black oak. Remove small crowned, suppressed and poor formed white pine to a average BA of around 50. Open up the canopy to encourage oak saplings and stump sprouts. Expect white pine saplings to fill in over time. Place a understory protection spec for the white pine saplings.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> White pine, maple and oak at fully stocked levels.</p> <p><u>Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										

Total Treatment 492.1
Acreage Proposed:

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 83
Year of Entry: 2023

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions												
		With Condition	Not Available		4A	5B	5C	1C	2F	2G	3D	3G	3J	3K	5E		
1228	1192	7	29	Aspen		7				15							13
36	36	1	0	Bog			1										
45	13	0	32	Cedar						21						10	
88	83	0	5	Herbaceous Openland							5						
14	14	0	0	Jack Pine													
30	29	0	1	Low-Density Trees													1
23	3	0	20	Lowland Conifers						20							
19	0	0	19	Lowland Deciduous						19							
11	8	3	0	Lowland Mixed Forest			3										
4	4	0	0	Lowland Shrub													
20	0	0	20	Lowland Spruce/Fir						20							
36	36	0	0	Marsh													
457	402	48	7	Mixed Upland Deciduous			48	7									
24	8	16	0	Natural Mixed Pines			16										
219	219	0	0	Northern Hardwood			0										
1237	247	978	12	Oak	6	304	668		7					6			0
215	157	58	0	Red Pine			58										
146	79	58	9	Upland Mixed Forest		11	47										9
9	9	0	0	Upland Shrub													
0	0	0	0	Urban													
9	9	0	0	Water													
68	21	35	12	White Pine			35						12				
3,939	2,570	1,202	167	Total Forested Acres	6	322	874	7	7	96	5	12	6	10			24
	65%	31%	4%	Relative Percent													

*Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 83
Year of Entry: 2023

2	Available	5B: Maintain for regeneration purposes	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	29	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	3G: Other Influence zones - See comments	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: SMALL W9 STAND, LEAVE FOR DIVERSITY AND A SEED SOURCE							
11	Available	5B: Maintain for regeneration purposes	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	2F: Too steep	7	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	98	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Available	5B: Maintain for regeneration purposes	82	5C: Delay treatment for age/size class diversity or exceptional site quality	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified
Comments:							
18	Available	5B: Maintain for regeneration purposes	43	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Available	5B: Maintain for regeneration purposes	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	3D: Recreational / Scenic values	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Available	5B: Maintain for regeneration purposes	64	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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Jason Lewicki : Examiner

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23	Available	5B: Maintain for regeneration purposes	7	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	3G: Other Influence zones - See comments	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments: GOOD EXAMPLE OF DRY-MESIC NORTHERN FOREST but doesn't meet Type 1 or 2 old growth yet							
25	Available	5B: Maintain for regeneration purposes	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments:							
27	Available	4A: No Markets Available for these Forest Products	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	136	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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29	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
31	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
32	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
33	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
34	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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35	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
36	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
37	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
38	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
39	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
40	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
43	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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44	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
45	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
46	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
48	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
50	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	42	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
51	Available	5B: Maintain for regeneration purposes	30	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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52	Unavailable	5E: Long-Term Retention	1	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							
53	Unavailable	5E: Long-Term Retention	9	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							
55	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
56	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
57	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	39	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
58	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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Roscommon Mgt. Unit
Jason Lewicki : Examiner

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Year of Entry: 2023

59	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
60	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
61	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
62	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
63	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
64	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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Jason Lewicki : Examiner

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Year of Entry: 2023

65	Available	5B: Maintain for regeneration purposes	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
66	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
67	Available	5B: Maintain for regeneration purposes	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
68	Unavailable	3K: Rare or unique landforms	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
69	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	45	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
70	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	92	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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Jason Lewicki : Examiner

Compartment: 83
Year of Entry: 2023

71	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
72	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
73	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
74	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
75	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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Jason Lewicki : Examiner

Compartment: 83
Year of Entry: 2023

76	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	35	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
77	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	38	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
78	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
79	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
80	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
81	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 83
Year of Entry: 2023

82	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
83	Unavailable	1C: Other dept or div proc/practices	7	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments: See locked comments.							

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 5 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

ERA = Ecological Reference Area
 HCVA = High Conservation Value Area
 SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
1	4130 - Aspen	Sapling Medium	28.1	4	Immature	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Bigtooth Aspen		80	Sapling	1	4		
Red Maple		15	Sapling	1			
Black/Red (Hybrid) Oak		5	Sapling	1			
2	4310 - Pine, Oak Mix	Sawtimber Well	15.1	98	81-110	N/A	Mixed stand of white pine, red pine and oak. Oak is overmature and showing signs of decline. White pine is on a good site and has good form. There is small lower area in the western part of the stand that contain a few hemlock. A few scattered aspen present.
Canopy Species		% Cover	Size Class	DBH	Age		
White Oak		3	Log/Pole	10			
Black/Red (Hybrid) Oak		35	Log/Pole	13			
White Pine		37	Log/Pole	13	98		
Red Pine		20	Log	14			
Red Maple		5	Pole/Log	8			
Sub-Canopy Species		Density	Avg. Height	Size			
White Pine		High	Variable	Sapling			
Red Maple		Low	Variable	Sapling			
3	4123 - Red Oak	Sawtimber Well	11.0	117	111-140	N/A	Mature healthy stand of large red oak and super canopy white pine. Some of the stand has a high water table and the canopy is dominated by white pine and red maple. Heavy winter deer use by feeding on acorns.
Canopy Species		% Cover	Size Class	DBH	Age		
White Pine		25	XLog/Log	22			
Red Oak		63	Log	14	117		
Red Maple		12	Pole	6			
Sub-Canopy Species		Density	Avg. Height	Size			
White Pine		High	Variable	Sapling			
4	4125 - Black, N. Pin Oak	Sawtimber Well	19.8	111	51-80	N/A	Harvested in 1999 as part of the Block 884 timber sale. The stand is two-aged with a oak and pine overstory and a maple aspen understory which is well developed. The red maple and aspen were removed from the stand, the oak and pine were not thinned. The basal area is variable due to the harvest method. There are some low, wet areas in the south part of the stand.
Canopy Species		% Cover	Size Class	DBH	Age		
Bigtooth Aspen		5	Sapling/Pole	3			
White Oak		10	Log	13			
Black/Red (Hybrid) Oak		65	Log	14	111		
White Pine		20	Log/Pole	10			
Sub-Canopy Species		Density	Avg. Height	Size			
Red Maple		Medium	Variable	Sapling			
White Pine		Low	Variable	Sapling			
Bigtooth Aspen		Medium	Variable	Sapling			
5	6120 - Lowland Cedar	Poletimber Well	10.4	131	171-200	N/A	Lowland cedar mix.
Canopy Species		% Cover	Size Class	DBH	Age		
Northern White Cedar		68	Pole/Log	9	131		
Hemlock		10	Pole/Log	8			
White Pine		5	Log	16			
Paper Birch		5	Pole/Log	8			
Red Maple		12	Log/Pole	10			
Sub-Canopy Species		Density	Avg. Height	Size			
White Pine		Low	Variable	Sapling			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																
6	4123 - Red Oak	Sawtimber Well	33.9	118	81-110	N/A	Nice healthy stand of mixed oak that was crown thinned in 2010. Heavy amounts of maple and aspen in the sub canopy. Some scattered beech saplings. A few small wetland pockets within the stand with red maple, white pine and hemlock sawtimber around their perimeter.																																																
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Beech	Trace	Variable	Sapling																																																				
7	4122 - Oak, Pine	Sawtimber Well	3.9	111	81-110	N/A	Small upland stand of white pine and oak.																																																
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White Pine	Low	Variable	Sapling																																																				
8	42250 - Pine, Oak	Sawtimber Well	15.5	80	81-110	N/A	Stand of mixed oak and white pine that was thinned in 2019. White pine has very good form.																																																
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White Pine	Low	Variable	Sapling																																																				
Red Maple	Low	Variable	Sapling																																																				
9	42110 - Planted Red Pine	Sawtimber Well	33.5	83	81-110	N/A	Harvested in 2010 by cutting marked trees and all aspen, jack pine and red maple. Oak saplings are developing in the understory. Let stand put on some diameter growth before treating again.																																																
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10	4126 - White, Black, N. Pin Oak	Sawtimber Well	30.1	114	81-110	N/A	This stand was thinned in 1999 as part of the Block 884 timber sale. This is a log sized white and red/black oak stand with a component of white pine. The north and east part of the stand is mostly white pine. White pine has excellent form. The oak is healthy. Red maple, aspen and white pine are both well developed in the understory.																																																
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11	3105 - Mixed Upland Herbaceous	Nonstocked	1.5		Unspecified	No																																																	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
12	42110 - Planted Red Pine	Sawtimber Well	8.1	83	81-110	N/A	The stand was harvested in 1999 as part of the Block 884 timber sale. A good understory of jack pine, white pine and oak. Some red maple in the understory on the east end.																																															
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13	42110 - Planted Red Pine	Sawtimber Well	5.3	81	111-140	N/A	Small stand of red pine plantation with some oak sawtimber mixed in. Stand has never been thinned. Low priority due to its size.																																															
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14	4126 - White, Black, N. Pin Oak	Sawtimber Well	92.1	111	81-110	N/A	Stand was crown thinned in fall 2019. Stand is a fairly even mix of good quality black and white oak with some white pine. A few scattered aspen present.																																															
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15	4123 - Red Oak	Sawtimber Well	41.5	111	81-110	N/A	Mature, healthy oak stand that was cut in 1988-1989 as part of Block 472. Good quality red and black oak with some white oak. Somewhat lower quality on southern and western part of stand. More white oak and pine components there also. Heavy advanced red maple in the sub canopy. Some stems are close to reaching the canopy. Allow the sub canopy to put on some more height and diameter growth before thinning stand again.																																															
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16	3102 - Grass	Nonstocked	13.3			No																																																
17	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	9.1	111	141-170	N/A	Stand of black oak and white pine. Thick sub canopy of single stem red maple. Some are pole size and are reaching the canopy. Oak is overmature and in decline. Some nice red maple sawtimber present.																																															
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18	4119 - Mixed Northern Hardwoods	Sapling Well	14.2	14	Immature	N/A	Cut in 2008 as part of Tomahawk Oak 71-012-06-01. Planted to red pine in 2010. Red maple and cherry saplings overtopping red pine. Scattered low quality white oak super canopy trees left from harvest.																																										
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19	4130 - Aspen	Poletimber Well	68.7	35	81-110	N/A	Young poletimber stand of aspen growing nicely. Some oak mixed in.																																										
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20	4123 - Red Oak	Sawtimber Well	29.3	111	111-140	N/A	Cut in 1988-1989 as part of Block 472. The specs were to cut all aspen, red maple and jack pine containing at least one 100-inch pulp stick. Stand was thinned in 2018 down to about 100 BA average under sale 71-015-16, Hot Tub Oak. Very good quality, healthy red oak sawtimber stand. Subcanopy is full of 2 different age classes of red maple saplings from previous harvests.																																										
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21	4126 - White, Black, N. Pin Oak	Sawtimber Well	20.8	111	111-140	N/A	Mature stand of mixed oak with some white pine reaching into the canopy. The black oak is of medium to low quality in most places and is showing signs of decline. Larger diameter white oak in the canopy appears to be doing well. There is a fairly thick subcanopy of variable height white pine saplings. The terrain is rolling with a fairly significant ridge on the western side. This site is dry enough and lacks aspen and maple competition which could make this stand a good candidate to attempt oak regeneration.																																										
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22	4125 - Black, N. Pin Oak	Poletimber Well	6.3	35	1-50	N/A	Dry oak ridges. Slow growing, just entering poletimber size class.																																										
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23	4122 - Oak, Pine	Poletimber Well	6.2	34	1-50	N/A	Pole and sapling oak and white pine. Oak is both stump sprouts and from single stem, the sprouts are larger in diameter.																																										
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24	4125 - Black, N. Pin Oak	Sawtimber Well	9.6	111	81-110	N/A	Decent quality red/black oak stand with a dense understory of maple. Better quality of oak on the northern side. This oak stand was cut in 1988-1989 as part of Block 472. The red maple was removed and has regenerated into a dense understory.																																							
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25	4112 - Maple, Beech, Cherry Association	Sapling Well	46.2	13	Immature	N/A	Cut in 2008 as part of Tomahawk Oak 71-012-06-01. Planted to red pine in 2010. There are scattered super canopy white oak. The natural regeneration is dense in places and sparse in others. Most of the red pine is overtopped by hardwoods.																																							
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26	4126 - White, Black, N. Pin Oak	Sawtimber Poor	8.8	111	1-50	N/A	Stand was seed tree harvested in 2018 under sale 71-015-16, Hot Tub Oak. 10-20 basal area of mixed oak with some saplings white pine and stump sprout red maple. Red maple has been heavily browsed. Stump sprout oak has been completely browsed. Very little to no sapling oak present .																																							
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27	4125 - Black, N. Pin Oak	Sawtimber Well	17.4	111	111-140	N/A	Mature stand of mixed oak and pine. Black oak is overmature and showing signs of decline. White oak appears healthy and with decent form. Scattered red and white pine in the canopy. Stand consists of rolling ridges conducive to good air flow and frost drainage. Timber quality is nicer to the north and west with higher elevation.																																							
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28	42110 - Planted Red Pine	Sawtimber Well	28.2	80	81-110	N/A	Red and white pine stand that was thinned in 1999 as part of the Block 884 timber sale. The stand is heavier to red pine on the north and east sides.																																							
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29	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	10.9	87	81-110	N/A	Large mature red pine stand appears that was heavily species thinned in the past. Stand consists of large diameter red pine with oak, maple and a few aspen growing into that canopy that are sprouts from the earlier harvest. Cut with surrounding aspen stands.																																							
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30	4131 - Aspen, Oak	Poletimber Well	18.4	48	111-140	N/A	Pole-sized aspen mixed with red maple and oak. Western edge contains more oak and little aspen. When this stand is harvested consider leaving that area as retention and saving all oak throughout the rest.																																																				
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31	4310 - Pine, Oak Mix	Sawtimber Well	6.1	121	111-140	N/A	Small stand of mixed oak and pine. Oak is 120+ years old and in decline. Red and white pine appear healthy. The understory consists of viable height white pine and a few oak.																																																				
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32	330 - Low-Density Trees	Nonstocked	22.3	0	Unspecified	No	Stand has mature oak, aspen and pine left scattered about. There is some patchy aspen regeneration but overall the stand did not regenerate to fully stocked levels.																																																				
33	4199 - Other Mixed Upland Deciduous	Sapling Well	45.2	126	1-50	N/A	Two-aged stand with super canopy white oak and white pine. The younger age class is from a 2098 harvest and consists of aspen, red maple, oak and white pine saplings.																																																				
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34	4124 - Red with White Oak	Sawtimber Well	10.1	126	111-140	N/A	Mature, healthy oak stand with some red maple and scattered large white pine. Most of the white pine are along its south and east border. White saplings are found throughout the subcanopy.																																																				
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35	4310 - Pine, Oak Mix	Sawtimber Well	27.0	104	81-110	N/A	Poor to medium quality log sized black and red oak mixed with white pine and red pine. The oak is senescing, the pine is healthy. A small amount of oak is present in the sub-canopy. There is a moderate amount of coarse woody debris mostly from natural mortality. Crown thinned in Fall 2019 to 90 SF.																																															
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36	4123 - Red Oak	Sawtimber Well	9.9	126	111-140	N/A	Fair quality red oak stand mixed with some large sawtimber white pine. Multiple low wet pockets in the north central part of the stand. Heavy white pine understory throughout the sub canopy. White pine was heavily damaged by a December 2020 snow storm. Retain this stand for diversity.																																															
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37	4125 - Black, N. Pin Oak	Sawtimber Well	20.1	121	111-140	N/A	This is a small, unmanaged stand of mature red/black oak and white pine with a component of bigtooth aspen. The stand is healthy and adds good diversity to the compartment. If treated thin to 70-90 BA best tree in place.																																															
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38	42200 - Natural White Pine	Sawtimber Well	34.6	106	81-110	N/A	Natural white pine stand that was crown-thinned Fall 2019. White pine has very nice form. Some white pine saplings in the understory that have been damaged by December 2020 heavy snow storm. Red maple in understory from stump sprouts is being heavily browsed by deer.																																															
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39	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	28.7	111	141-170	N/A	A mixed stand of oak, aspen and white pine. Aspen is found in heavier densities on the south and west sides. Oak and white pine are on a good site and have very good form. The sub canopy is dominated by white pine and red maple but a few oaks are present.																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
40	6122 - Black Spruce	Poletimber Well	12.9	111	1-50	N/A	Black spruce and tamarack swamp. some scattered pine along its perimeter.																																									
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41	4131 - Aspen, Oak	Sapling Well	37.4	14	1-50	N/A	Cut in 2008 as part of Tomahawk Oak 71-012-06-01. The stand is two-aged, there are super canopy white oak and white pine and sapling aspen and red maple. The red maple is mostly stump sprouts. More mature oak and pine densities found on some of the ridge tops.																																									
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42	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	8.5	50	81-110	N/A	Pole-sized mixed upland stand. White oak and white pine were left when the stand was harvested. Heavier white pine component on the eastern side.																																									
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43	4126 - White, Black, N. Pin Oak	Sawtimber Well	37.8	111	81-110	N/A	Harvested in 1999 as part of the Block 884 timber sale. Red maple and aspen is growing into the canopy in some areas. Overall the mature oak appears healthy.																																									
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44	6120 - Lowland Cedar	Poletimber Well	7.2	132	141-170	N/A	Lowland cedar with super canopy white pine and scattered paper birch. Some white pine and hemlock around its perimeter in places.																																									
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45	6239 - Mixed Emergent Wetland	Nonstocked	8.1			No																																										



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
46	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	4.0	33	1-50	N/A																																														
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47	3105 - Mixed Upland Herbaceous	Nonstocked	1.0		Unspecified	No																																														
48	4130 - Aspen	Poletimber Well	26.5	33	111-140	N/A																																														
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49	6120 - Lowland Cedar	Poletimber Well	3.8	132	141-170	N/A	Cedar swamp with super canopy white pine, and hemlock around the edge. The stand has pockets of blowdown and individual stems. It is wet but still manageable.																																													
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50	42290 - Natural Mixed Pine	Poletimber Medium	2.4	33	1-50	N/A	Natural mixed pine stand. The stand may have been a landing for the previous harvest. There are small dense pockets of jack pine, small openings and open grown trees.																																													
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51	6225 - Bog	Nonstocked	17.0			No																																														
52	500 - Water	Nonstocked	1.6			No																																														



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
53	4122 - Oak, Pine	Sawtimber Medium	39.1	104	51-80	N/A	Cut in 2008 as part of Tomahawk Oak 71-012-06-01. The stand is a mix of white and black oak with a high percentage of white pine. White pine and areas of aspen make up the subcanopy.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Pine		40	Pole/Log/Sap	9		White Pine	
Black/Red (Hybrid) Oak		15	Log	14		Black/Red (Hybrid) Oak	
White Oak		45	Log/Pole	10	104	Red Maple	
						Bigtooth Aspen	
						Density	
						Avg. Height	
						Size	
54	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	18.8	94	81-110	N/A	This stand is primarily a red maple and white pine stand on a high water table. Many areas would cause operability issues of harvested. There is some higher ground that contains some oak and red pine mixed in
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black/Red (Hybrid) Oak		5	Log	14		White Pine	
Red Pine		5	Log	14		Red Maple	
Red Maple		55	Log	14	94		
Bigtooth Aspen		2	Log/Pole	12			
White Pine		33	Log/XLog/Pole	14	94		
55	4122 - Oak, Pine	Sawtimber Well	21.9	111	81-110	N/A	The stand is primarily a oak and white pine stand. There are areas of scattered red pine saw timber as well. Within the center of the stand lie a few small Lowland dominated by lowland conifers and even a few wet areas that hold standing water. Overall the stand is healthy and in good condition.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Balsam Fir		2	Pole	6		Balsam Fir	
Northern White Cedar		2	Pole	6		White Pine	
White Oak		15	Log/Pole	12			
Black/Red (Hybrid) Oak		49	Log/Pole	13	111		
Red Pine		5	Log	15			
White Pine		25	Log/Pole	12			
Red Maple		2	Pole/Log	9			
56	500 - Water	Nonstocked	3.3			No	
57	4319 - Mixed Upland Forest	Sawtimber Well	21.6	111	111-140	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black/Red (Hybrid) Oak		15	Log/Pole	13		Red Maple	
Red Pine		5	Log	14		White Pine	
Red Maple		33	Log/Pole	10			
White Pine		45	Log	15	111		
Northern White Cedar		2	Pole	6			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																						
58	4130 - Aspen	Poletimber Well	52.1	45	111-140	N/A	Pole-sized stand of aspen, oak, white pine, and red maple. Small intermittent creek on NE side of stand with a culvert under the road.																																						
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59	4130 - Aspen	Sapling Poor	2.3	4	Immature	N/A	Mature oak stand that is ready to be regenerated. There is a light amount of coarse woody debris.																																						
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60	4131 - Aspen, Oak	Poletimber Well	15.4	44	81-110	N/A	Mixed stand of pole-sized aspen, oak and pine.																																						
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Black/Red (Hybrid) Oak	Low	Variable	Sapling																																										
61	4310 - Pine, Oak Mix	Poletimber Well	23.4	44	51-80	N/A	A mixed stand of aspen pine and oak just entering pole timber size. Some larger white pines scattered about.																																						
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62	500 - Water	Nonstocked	2.1			No																																							
63	42250 - Pine, Oak	Sapling Medium	5.6	30	1-50	N/A	Harvested in 1999 as part of the Block 884 timber sale. The stand is saplings and pole sized jack pine, oak and white pine.																																						
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64	6120 - Lowland Cedar	Poletimber Well	9.9	111	111-140	N/A																																													
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65	4130 - Aspen	Poletimber Well	7.5	23	51-80	N/A	Pole/sapling size aspen stand that was regenerated in 1999 as part of the Block 884 timber sale.																																												
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66	6127 - Lowland Pine	Sawtimber Medium	3.1	155	1-50	N/A	Lowland stand of white pine mixed with cedar, red maple and some paper birch. Alder in the understory.																																												
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67	4133 - Aspen, Mixed Pine	Sawtimber Well	15.2	66	81-110	N/A	Mixed stand of hardwoods and pine. Some large diameter white pine present. A small intermittent creek and low wet valley flow to the swamp conifer stand to the south. There seems to be 2 different ages of aspen present.																																												
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68	4130 - Aspen	Poletimber Well	42.3	48	81-110	N/A	Pole-size aspen stand with a mix of red oak and red maple. The stand is healthy with vigorous growth. Allow majority of the stand to reach sawtimber size. Approximately 10 more years.																																												
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69	4123 - Red Oak	Sawtimber Well	7.2	111	81-110	N/A	Good quality, healthy red oak stand. It has been thinned in the past and the maple and aspen are reaching into the canopy in some places. Wait until the maple and aspen are more merchantability before treating again.																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
70	3102 - Grass	Nonstocked	6.7			No				
71	4123 - Red Oak	Sawtimber Well	8.4	111	111-140	N/A	Healthy, mature red oak stand with a dense red maple understory. This is a small stand located between Fairview Road, power lines and PVT ownership and has been thinned in the past.			
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		White Oak	4	Log	13		White Pine	Low	Variable	Sapling
		Red Oak	92	Log/Pole	13	111	Witch Hazel	Low	5 - 10 feet	Tall Shrub
		White Pine	4	Pole/Log	8		Red Maple	Full	10 - 20 feet	Sapling
72	4125 - Black, N. Pin Oak	Sawtimber Well	5.9	92	51-80	N/A	This is a small, mature stand of healthy oak with a component of white pine located between Fairview Road and power lines. Somewhat low BA of oak with red maple reaching for the canopy.			
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		Black/Red (Hybrid) Oak	75	Log/Pole/XLog	12	92	White Pine	Low	Variable	Sapling
		Bigtooth Aspen	10	Pole/Log	9		Pin Cherry	Low	Variable	Sapling
		Red Maple	7	Pole	6		Red Maple	Low	Variable	Sapling
		White Pine	8	Log/XLog	17					
73	42110 - Planted Red Pine	Sawtimber Well	3.4	78	111-140	N/A	Small stand of red pine sawtimber. appears to have been thinned in the past.			
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		Black/Red (Hybrid) Oak	15	Log	15		Witch Hazel	Low	Variable	Tall Shrub
		Red Pine	85	Log	14	78	Red Maple	High	Variable	Sapling
74	4125 - Black, N. Pin Oak	Sawtimber Well	5.0	101	81-110	N/A	Small stand of large healthy oak located between power lines and a road. Appears to have been treated in the past. Areas of heavy red maple saplings in the sub canopy.			
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		Black/Red (Hybrid) Oak	88	Log/XLog	17	101	White Pine	Low	Variable	Sapling
		White Pine	5	Pole/Log	8		Serviceberry (Juneberry)	Low	Variable	Tall Shrub
		Red Pine	2	Log	12		Black Cherry	Low	Variable	Sapling
		White Oak	5	Log	13		Red Maple	High	10 - 20 feet	Sapling
75	4123 - Red Oak	Sawtimber Well	48.2	111	111-140	N/A	Very nice quality red oak stand. Far northern parts may have been thinned in the past. There is a lower ba of mature oak with more red maple saplings. The central part of the stand has the best site quality and has a few sugar maple scattered about. There is more black oak in the south part of the stand as elevation and site quality fall off.			
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		Red Maple	10	Pole/Log	9		White Pine	Low	Variable	Sapling
		White Oak	2	Log/Pole	12		Witch Hazel	Low	Variable	Tall Shrub
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		Red Oak	78	Log/Pole	13	111				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
76	4126 - White, Black, N. Pin Oak	Sawtimber Well	13.1	111	81-110	N/A	Mature mixed oak stand. Some better quality red oak in places. Apoears to have the red maple removed in the past. Old notes indicate around 30 years ago. Heavy red maple saplings in the sub canopy.																																															
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77	4125 - Black, N. Pin Oak	Sawtimber Well	12.1	111	51-80	N/A	Upland stand of mixed pine, oak, aspen and maple. Stand was thinned in the past and there are areas where the maple and aspen are making it into the canopy. Otherwise it has a thick subcanopy of red maple.																																															
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78	4125 - Black, N. Pin Oak	Sapling Medium	15.3	14	1-50	N/A	Cut in 08-09 as part of Eastwood Oak 71-025-06-01. Old red pine was removed releasing the hardwood understory which is now the canopy.																																															
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79	4310 - Pine, Oak Mix	Sawtimber Well	5.1	111	81-110	N/A	Smallstand of oak and pine along private property. North end is heavier to red pine.																																															
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80	4130 - Aspen	Poletimber Well	6.0	48	111-140	N/A	Pole size aspen and red maple stand.																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
81	6127 - Lowland Pine	Sawtimber Well	5.6	62	81-110	N/A	Small lowland white pine stand																																									
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82	4123 - Red Oak	Sawtimber Well	135.9	111	81-110	N/A	A large stand of red/black oak. Some central areas have very nice quality red oak. It has a heavy sub canopy of aspen and maple. This stand was thinned. in 08-09 as part of Eastwood Oak 71-025-06-01.																																									
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83	4130 - Aspen	Sapling Well	4.7	14	Immature	N/A	Cut in 08-09 as part of Eastwood Oak 71-025-06-01.																																									
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84	4112 - Maple, Beech, Cherry Association	Sapling Poor	3.3	13	Immature	N/A	This stand was the landing for the harvest of the surrounding stands in 2008-2009.																																									
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85	4199 - Other Mixed Upland Deciduous	Sapling Well	14.3	13	1-50	N/A	Cut in 08-09 as part of Eastwood Oak 71-025-06-01. Stand was seed tree cut and has scattered mature oak over regenerating hardwoods.																																									
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86	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	5.1	70	51-80	N/A	Mixed mature stand of oak, pine and cherry, Density is variable with open areas of hawthorn, oak and maple saplings.																																									
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87	4125 - Black, N. Pin Oak	Sawtimber Medium	6.2	111	1-50	N/A	Oak and cherry stand with scattered trace amounts of red pine and white pine. There are scattered openings and the density is variable. Areas of advanced oak regeneration present.																																														
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88	3301 - Low Density Deciduous Trees	Nonstocked	7.4			No																																															
89	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	7.3	81	81-110	N/A	Small upland mixed upland stand of oak, maple and pine. There is a portion in the sw part of the stand that contains some planted red pine. There is also an old foundation found on the south edge.																																														
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90	42110 - Planted Red Pine	Sawtimber Well	16.9	62	111-140	N/A	Plantation that was 3rd row thinned in 2002 and crown thinned in 2010. Average BA is around 100-110.																																														
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91	4319 - Mixed Upland Forest	Poletimber Poor	16.0	44	1-50	N/A	Open grown cherry and pine stand. Slowly filling in an old opening.																																														
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92	4126 - White, Black, N. Pin Oak	Sawtimber Well	6.7	111	1-50	N/A	Stand was shelterwood cut in the past. Around 50 BA of oak and some white pine left. Heavy red maple and cherry understory. Oak appears healthy.																																														
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93	4125 - Black, N. Pin Oak	Sawtimber Well	3.9	111	141-170	N/A	Small stand of large diameter oak and maple.																																						
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95	42201 - Natural White Pine, Mixed Deciduous	Poletimber Medium	11.0	56	1-50	N/A	Much of the hardwood and aspen has been cut by beavers. Many of the bigger white pine have blown over.																																						
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96	4199 - Other Mixed Upland Deciduous	Poletimber Well	27.2	44	1-50	N/A	Mixed stand of oak, maple and cherry. Some pockets of aspen.																																						
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97	4130 - Aspen	Poletimber Well	10.6	45	81-110	N/A	Mixed aspen stand with some oak. Quaking aspen is showing signs of decline.																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
98	4119 - Mixed Northern Hardwoods	Poletimber Well	21.3	45	51-80	N/A	Pole-sized stand of primarily maple and oak.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		55	Pole	6	45	Density	Avg. Height
Quaking Aspen		5	Pole	6		Medium	10 - 20 feet
Black/Red (Hybrid) Oak		35	Pole	6		Low	< 5 feet
Black Cherry		5	Pole	5			Sapling
							Sapling
99	4130 - Aspen	Poletimber Well	23.7	45	1-50	N/A	Primarily a quaking aspen poletimber stand with some areas of red maple. Cherry is mostly found on the western edge. Aspen is starting to show signs of decline in areas.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black/Red (Hybrid) Oak		5	Pole	6		Black Cherry	Low
Quaking Aspen		65	Pole/Log	8	45	Red Maple	Low
Black Cherry		5	Pole/Sapling	5			10 - 20 feet
Bigtooth Aspen		5	Pole/Log	8			Sapling
Red Maple		20	Pole	6			
100	3102 - Grass	Nonstocked	12.6			Managed Opening	Grassy opening with scattered pole size cherry.
101	42110 - Planted Red Pine	Sawtimber Well	16.1	53	111-140	N/A	Red pine plantation that was third row thinned in 2002 and crown thinned in 2010.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black/Red (Hybrid) Oak		2	Log/Pole	12		Pin Cherry	Low
Red Pine		98	Log/Pole	12	53	Black/Red (Hybrid) Oak	Low
						White Pine	Low
							< 5 feet
							Sapling
102	4119 - Mixed Northern Hardwoods	Poletimber Well	22.9	36	1-50	N/A	A mix of maple oak and cherry.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Cherry		23	Pole/Sapling	5		Black Cherry	Medium
Black/Red (Hybrid) Oak		20	Pole	6			5 - 10 feet
Quaking Aspen		2	Pole	5			Sapling
Red Maple		55	Pole/Sapling	5	36		
103	4110 - Sugar Maple Association	Poletimber Poor	4.3	51	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black/Red (Hybrid) Oak		5	Log	16		Black/Red (Hybrid) Oak	Low
Black Cherry		95	Pole	8	51	Black Cherry	Low
							5 - 10 feet
							Sapling
104	3102 - Grass	Nonstocked	13.2			No	Notes claim that this is a maintained opening. There has not been any maintenance on this stand in a long time. Stand is slowly being over taken by trees.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
105	42110 - Planted Red Pine	Sawtimber Well	12.8	53	81-110	N/A	Red pine plantation that was third row thinned in 2002 and crown thinned in 2010.																																					
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106	4130 - Aspen	Poletimber Well	30.4	45	81-110	N/A	Poletimber aspen stand with some areas of oak and maple mixed in. Regenerate this entry or next.																																					
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107	4126 - White, Black, N. Pin Oak	Sawtimber Well	63.6	111	81-110	N/A	Stand was thinned in 1991. Appears to have all the red maple and aspen removed. There is a heavy advanced understory of red maple some of which are reaching into the canopy. Both black and white oak appear healthy. Some higher quality red oak in spots.																																					
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108	4130 - Aspen	Poletimber Well	5.3	45	81-110	N/A	Harvest when stand to the west is harvested.																																					
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109	3102 - Grass	Nonstocked	5.9			No																																						
110	4119 - Mixed Northern Hardwoods	Poletimber Well	20.5	31	1-50	N/A																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
111	4199 - Other Mixed Upland Deciduous	Sapling Well	51.7	20	Immature	N/A	Cut in 2002 and came back mostly cherry. Trenched in 2009; Planted to red pine in 2010. This stand was selected to remove the woody vegetation, by hand with a pre-commercial thin, that is competing against the planted red pine to bring the stand to a red pine planting status with 80 percent of the pine free to grow. Cherry and oak regen is 20'+ tall in spots. Some areas have great advanced oak regeneration. I recommend not doing the above mentioned release.																																											
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112	4130 - Aspen	Poletimber Well	29.8	45	51-80	N/A	Areas with good amounts of oak and maple. Let stand grow another 10 years or so to gain some sawtimber growth.																																											
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114	4119 - Mixed Northern Hardwoods	Poletimber Well	18.0	45	1-50	N/A																																												
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116	4112 - Maple, Beech, Cherry Association	Sapling Well	5.3	19	Immature	N/A																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
117	42200 - Natural White Pine	Sawtimber Well	9.8	111	141-170	N/A	Small natural white pine sawtimber stand.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Pine		5	Log	14		Red Maple	
Red Maple		5	Pole	6		Medium	
Quaking Aspen		2	Log	14		Avg. Height	
Black/Red (Hybrid) Oak		8	Log/Pole	13		10 - 20 feet	
White Pine		80	XLog/Log	18	111	Size	
						Sapling	
118	4130 - Aspen	Sapling Well	34.4	11	Immature	N/A	Cut Fall 2010.
Canopy Species		% Cover	Size Class	DBH	Age		
Black/Red (Hybrid) Oak		5	Sapling	1			
Black Cherry		5	Sapling	1			
Red Maple		20	Sapling	1			
Quaking Aspen		70	Sapling	1	11		
119	4130 - Aspen	Poletimber Well	25.2	45	81-110	N/A	Mixed aspen stand. Better site with bigtooth aspen on the north end. Quaking throughout the rest of the stand. The quaking is of poor quality and showing signs of heart rot and decline. Terrain is steep in some areas but operable. Old beaver activity.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		5	Pole	6		White Pine	
Quaking Aspen		65	Pole	8	45	Low	
White Pine		10	Log/Pole	10		Variable	
Bigtooth Aspen		20	Pole/Log	8		Sapling	
						Sapling	
						5 - 10 feet	
						Sapling	
120	6127 - Lowland Pine	Sawtimber Medium	6.8	121	141-170	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Northern White Cedar		25	Pole/Log	9		Tag Alder	
White Pine		75	XLog	20	121	Medium	
						5 - 10 feet	
						Tall Shrub	
121	42220 - Natural Jack Pine	Poletimber Well	13.6	59	81-110	N/A	Stand of mature jack pine showing signs of decline. Stand has an advanced understory of oak maple and white pine.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Pine		5	Log	14		Red Maple	
Jack Pine		80	Pole/Log	9	59	High	
White Pine		10	Pole/Log	9		Medium	
Red Maple		5	Pole/Sapling	6		Low	
						5 - 10 feet	
						Sapling	
						Sapling	
						Sapling	
						Sapling	
122	4125 - Black, N. Pin Oak	Poletimber Well	6.4	38	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Pine		20	Pole/Log	9		Witch Hazel	
Red Maple		20	Pole/Sapling	5		Low	
Black/Red (Hybrid) Oak		45	Pole	5	38	5 - 10 feet	
White Oak		15	Pole	5		Tall Shrub	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
123	4199 - Other Mixed Upland Deciduous	Poletimber Medium	4.7	46	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Pine		5	Pole	6		Black/Red (Hybrid) Oak	
Black/Red (Hybrid) Oak		5	Log/Pole	10		White Pine	
Pin Cherry		90	Pole	6	46	Pin Cherry	
						Density	
						Avg. Height	
						Size	
						Sapling	
						Sapling	
						Sapling	
124	4125 - Black, N. Pin Oak	Sawtimber Well	13.5	101	81-110	N/A	Fair quality oak stand that was thinned in 2010
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Oak		5	Log	12		Red Maple	
Black/Red (Hybrid) Oak		95	Log	14	101	Witch Hazel	
						Density	
						Avg. Height	
						Size	
						Sapling	
						Tall Shrub	
125	4199 - Other Mixed Upland Deciduous	Poletimber Poor	2.6	46	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black/Red (Hybrid) Oak		25	Pole	6		Hawthorn (spp.)	
Pin Cherry		75	Pole/Sapling	5	46		
						Density	
						Avg. Height	
						Size	
						Tall Shrub	
126	4123 - Red Oak	Sawtimber Well	98.2	104	81-110	N/A	Healthy, good quality oak stand that was thinned in the past. Rolling terrain. Heavy red maple sapling understory. Some more open areas have some aspen growing into the canopy.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Oak		66	Log/Pole	13	104	Red Maple	
White Oak		2	Log/Pole	12			
Bigtooth Aspen		2	Sapling/Pole	3			
Black/Red (Hybrid) Oak		30	Log/Pole	13			
						Density	
						Avg. Height	
						Size	
						Sapling	
127	4199 - Other Mixed Upland Deciduous	Poletimber Well	15.1	47	51-80	N/A	Mixed stand of oak aspen and maple. An older age class of oak present.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black/Red (Hybrid) Oak		40	Pole/Log	9	47	Red Maple	
Bigtooth Aspen		20	Pole	6			
Quaking Aspen		10	Pole	8			
Red Maple		30	Pole	6			
						Density	
						Avg. Height	
						Size	
						Sapling	
129	42200 - Natural White Pine	Sawtimber Well	2.4	76	111-140	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Bigtooth Aspen		5	Pole	6		Pin Cherry	
Black/Red (Hybrid) Oak		5	Pole	6		Black/Red (Hybrid) Oak	
White Pine		90	Log/Pole	12	76		
						Density	
						Avg. Height	
						Size	
						Sapling	
						Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
130	4130 - Aspen	Poletimber Well	90.7	45	81-110	N/A	Large aspen stand of primarily bigtooth aspen. Scattered good quality oak poletimber scattered about. Let stand grow another 10 years before harvest in attempts to grow some stems into sawtimber. Possibly leave oak c component.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Black/Red (Hybrid) Oak		5	Pole	6		Red Maple		
Red Maple		5	Pole	6		Witch Hazel		
Quaking Aspen		10	Pole	6		Density		
Bigtooth Aspen		80	Pole	7	45	Avg. Height		
						Size		
131	4139 - Aspen, Mixed Deciduous	Sapling Well	30.2	20	Immature	N/A	Areas heavy to cherry and maple.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Bigtooth Aspen		51	Sapling	2	20	Black Cherry		
Black Cherry		30	Sapling	2		Density		
Red Maple		15	Sapling	2		Avg. Height		
Black/Red (Hybrid) Oak		2	Sapling	1		Size		
White Oak		2	Sapling	1				
132	42110 - Planted Red Pine	Sawtimber Well	14.2	53	111-140	N/A	Somewhat broken plantation especially on the north end. Stand was row thinned in 2012.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Pine		94	Log/Pole	10	53	Pin Cherry		
Black/Red (Hybrid) Oak		2	Log	16		Density		
Black Cherry		2	Log	14		Avg. Height		
White Oak		2	Log	16		Size		
133	4110 - Sugar Maple Association	Sawtimber Medium	9.6	56	1-50	N/A		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Black Cherry		93	Log/Pole/Sap	10	56	Quaking Aspen		
Black/Red (Hybrid) Oak		5	Log	14		Black/Red (Hybrid) Oak		
White Pine		2	Log/Pole	12		Black Cherry		
						Density		
						Avg. Height		
						Size		
134	4199 - Other Mixed Upland Deciduous	Sapling Well	176.1	20	Immature	N/A		
Canopy Species		% Cover	Size Class	DBH	Age			
Bigtooth Aspen		30	Sapling	2	20			
Black Cherry		20	Sapling	2				
Black/Red (Hybrid) Oak		10	Sapling	2				
Paper Birch		10	Sapling	2				
Red Maple		30	Sapling	2				
135	3102 - Grass	Nonstocked	0.5		Unspecified	No		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
136	42200 - Natural White Pine	Sawtimber Medium	3.6	56	51-80	N/A	Old open grown and weeviled white pine and some oak.																																					
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137	122 - Road/Parking Lot	Nonstocked	0.5		Unspecified	No	OPIC - FMD: R.O.W. FOR CLEAR LAKE ROAD																																					
138	42110 - Planted Red Pine	Poletimber Well	18.8	53	141-170	N/A	Plantation that was 3rd row thinned in 2012.																																					
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140	4125 - Black, N. Pin Oak	Poletimber Well	4.1	59	51-80	N/A																																						
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142	4125 - Black, N. Pin Oak	Poletimber Well	22.5	38	1-50	N/A																																						
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143	4130 - Aspen	Poletimber Well	5.9	38	1-50	N/A																																						
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144	4130 - Aspen	Poletimber Well	6.3	38	1-50	N/A																																						
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151	4139 - Aspen, Mixed Deciduous	Sawtimber Well	13.7	56	81-110	N/A	Aspen and red maple stand with some scattered oak. Also a small patch of oak in the nw corner. Aspen is in decline and overmature.																																					
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153	4131 - Aspen, Oak	Poletimber Well	48.8	47	81-110	N/A	Nice aspen poletimber stand with scattered red oak sawtimber scattered about.																																					
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154	4125 - Black, N. Pin Oak	Sawtimber Well	12.2	111	141-170	N/A	Fair quality oak stand on some rolling ridges. Could possibly thin stand if ab adjacent stand is treated as well.																																					
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155	4130 - Aspen	Poletimber Well	77.0	52	81-110	N/A	Nice quality aspen stand mixed with some oak. Hold stand to let it reach full sawtimber potential.																																					
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156	4199 - Other Mixed Upland Deciduous	Sapling Poor	2.6	20	Immature	N/A	Old notes say that this stand was cut for access into stands to the east.																																					
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157	4126 - White, Black, N. Pin Oak	Sawtimber Well	11.9	116	51-80	N/A	Shelterwood cut in 2002. Good understory of maple and pine.																																					
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158	4122 - Oak, Pine	Sawtimber Medium	5.4	111	1-50	N/A	Small stand of mixed oak and pine.																																					
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159	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	12.5	38	51-80	N/A																																									
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160	4199 - Other Mixed Upland Deciduous	Sapling Poor	2.8	20	Immature	N/A	Old note say it was cut in 2002 and did not regenerate. Stand is now a open area with scattered cherry, oak and pine.																																								
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161	6127 - Lowland Pine	Sawtimber Well	4.3	111	81-110	N/A																																									
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162	320 - Upland Shrub	Nonstocked	6.3			No	OPIC - FMD: UPLAND BRUSH WITH SCATTERED PIN CHERRY, OAK, WHITE PINE																																								
163	4125 - Black, N. Pin Oak	Sawtimber Medium	5.7	116	51-80	N/A	Seed tree cut in 2002. Advanced red maple and white pine regeneration present in the understory.																																								
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164	4129 - Mixed Oak	Poletimber Well	7.4	38	1-50	N/A	OPIC - FMD: MOSTLY STUMP SPROUT OAK AND RED MAPLE, SCATTERED WHITE PINE PULP																																								
165	4130 - Aspen	Poletimber Well	46.9	38	51-80	N/A	Areas of aspen and oak especially along edges																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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166 3102 - Grass Nonstocked 5.7 Immature No OPIC - FMD: GRASSY OPENING WITH SCATTERED CHERRY AND WHITE PINE

167 4199 - Other Mixed Upland Deciduous Sawtimber Well 7.1 111 141-170 N/A Stand of old oak and aspen mixed with some pine. Oak is overmature and in decline. Stand was hit hard in 2020 by gypsy moths.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	Pole	7		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Red Pine	2	Log	14		Red Pine	Low	Variable	Sapling
White Oak	2	Log	14		White Pine	Medium	Variable	Sapling
Bigtooth Aspen	30	Log	14		Red Maple	Low	10 - 20 feet	Sapling
Red Maple	5	Pole	6					
Black/Red (Hybrid) Oak	56	Log/Pole	13	111				

168 3102 - Grass Nonstocked 2.9 Unspecified No

169 4126 - White, Black, N. Pin Oak Sawtimber Well 25.3 111 81-110 N/A Thinned in 2002. Areas of heavy red maple sub canopy.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	75	Log/Pole	13	111	White Pine	Medium	Variable	Sapling
White Oak	20	Log/Pole	13		Red Maple	High	10 - 20 feet	Sapling
White Pine	5	Log	10					

170 4125 - Black, N. Pin Oak Poletimber Medium 3.1 59 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	95	Pole	6	59	White Pine	Low	Variable	Sapling
White Pine	5	Log/Pole	10					

171 4310 - Pine, Oak Mix Sawtimber Well 10.8 76 1-50 N/A On the edge of an old homestead that is found to the east on pvt. Some scattered apple trees.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	45	Log/Pole	13		White Pine	Medium	Variable	Sapling
Black/Red (Hybrid) Oak	55	Log/Pole	13	76				

172 42200 - Natural White Pine Sawtimber Well 2.2 116 141-170 N/A Small stand of large sawtimber white pine.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	Log	12		Red Maple	Low	10 - 20 feet	Sapling
White Pine	80	XLog/Log	18	116	Black Cherry	Low	10 - 20 feet	Sapling
Black/Red (Hybrid) Oak	15	Log/XLog	15		White Pine	Low	Variable	Sapling

173 6239 - Mixed Emergent Wetland Nonstocked 17.6 0 No Some lowland conifers along the edge but it is generally non forested.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
174	6122 - Black Spruce	Poletimber Medium	7.4	95	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		90	Pole	6	95	Balsam Fir	Medium	Variable	Sapling
White Pine		10	Pole	6		Black Spruce	Low	Variable	Sapling
175	4130 - Aspen	Poletimber Well	24.3	38	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		100	Pole	6	38	Red Maple	Medium	10 - 20 feet	Sapling
176	6225 - Bog	Nonstocked	4.8			No			
177	4130 - Aspen	Sapling Well	51.4	20	Immature	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		40	Sapling	2		Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
Bigtooth Aspen		48	Sapling/Pole	3	20	Black Cherry	Low	5 - 10 feet	Sapling
Red Maple		5	Sapling	2		Red Maple	Low	5 - 10 feet	Sapling
Black Cherry		5	Sapling	2		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak		2	Sapling	2					
178	4130 - Aspen	Sapling Well	18.8	11	Immature	N/A			
Canopy Species		% Cover	Size Class	DBH	Age				
Quaking Aspen		85	Sapling	1	11				
Black Cherry		15	Sapling	1					
179	623 - Emergent Wetland	Nonstocked	7.3			No	OPIC - FMD: OI Stand Year Origin was		
180	4125 - Black, N. Pin Oak	Poletimber Well	12.6	41	1-50	N/A	Oak and other hardwoods just enter poletimber size.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak		60	Pole/Sapling	5	41	Red Maple	Low	5 - 10 feet	Sapling
Red Maple		15	Pole/Sapling	5		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Quaking Aspen		20	Pole	6		Black Cherry	Low	5 - 10 feet	Sapling
Black Cherry		5	Pole/Sapling	5		Witch Hazel	Low	5 - 10 feet	Tall Shrub
181	4130 - Aspen	Poletimber Well	24.1	45	51-80	N/A	OPIC - FMD: NICE YOUNG A6 STAND		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
182	4110 - Sugar Maple Association	Poletimber Medium	6.2	45	1-50	N/A																																						
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183	4126 - White, Black, N. Pin Oak	Sawtimber Well	81.9	111	81-110	N/A	Large stand of mixed oak. Stand was thinned in the past. It has a thick understory of maple and areas of aspen. It has variable BA. The eastern side has less mature BA with more open areas that the aspen and maple are making into the canopy. Allow maple and aspen to grow into pulpwood before harvesting again.																																					
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184	4131 - Aspen, Oak	Sawtimber Well	18.1	106	81-110	N/A	Mixed aspen and oak stand. Oak and quaking aspen on the west side is of lower quality and in decline. Oak on the ridge to the east is doing much better and is mixed with 2 ages of bigtooth aspen.																																					
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185	3102 - Grass	Nonstocked	5.0			No																																						
187	6225 - Bog	Nonstocked	7.5			No	OPIC - FMD: OI Stand Year Origin was																																					
188	6120 - Lowland Cedar	Poletimber Medium	2.4	111	111-140	N/A																																						
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189	4125 - Black, N. Pin Oak	Sawtimber Well	42.7	101	51-80	N/A	Stand was shelterwood cut in 2010.																																					
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190	6225 - Bog	Nonstocked	1.6			No	OPIC - FMD: LOWLAND BRUSH/LEATHERLEAF WITH SCATTERED DECIDUOUS TREES																																					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																		
191	4130 - Aspen	Poletimber Well	50.3	45	51-80	N/A	Aspen stand with areas of oak and maple. Wait to harvest another 10 years.																																		
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192	6120 - Lowland Cedar	Poletimber Well	11.6	111	111-140	N/A																																			
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193	3205 - Mixed Upland Shrub	Nonstocked	2.6			No																																			
194	4125 - Black, N. Pin Oak	Sawtimber Well	5.6	104	111-140	N/A	Uncut oak/pine buffer around Wallin Lake.																																		
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195	500 - Water	Nonstocked	2.2			No	Wallin Lake																																		
196	629 - Mixed non-forested wetland	Nonstocked	1.8			No																																			
197	3102 - Grass	Nonstocked	3.9			No																																			
198	4130 - Aspen	Sapling Well	34.8	20	1-50	N/A																																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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199	4131 - Aspen, Oak	Sapling Medium	19.8	20	Immature	N/A	Low density saplings. pockets of aspen, oak and maple
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Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	25	Sapling	2	
Red Maple	25	Sapling	2	
Bigtooth Aspen	48	Sapling/Pole	3	20
White Pine	2	Sapling/Pole	4	

200	42111 - Planted Red Pine, Mixed Deciduous	Sapling Well	47.0	17	Immature	N/A	Stand was cut in 2002 and s planted to red pine in 2005.
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Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	10	Sapling	1	
Red Pine	75	Sapling	2	17
Bigtooth Aspen	8	Sapling	2	
White Oak	2	Sapling	2	
Black Cherry	5	Sapling	2	

201	42200 - Natural White Pine	Sawtimber Well	4.2	101	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	90	Log/XLog	16	101	Black Cherry	Medium	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	10	Log/Pole	10		White Pine	Medium	Variable	Sapling

203	4130 - Aspen	Poletimber Well	8.3	44	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	5	Pole	5		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Quaking Aspen	20	Pole	6		Red Maple	Medium	5 - 10 feet	Sapling
Red Maple	5	Pole	5					
Bigtooth Aspen	70	Pole	6	44				

204	3102 - Grass	Nonstocked	5.0	0		No	
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206	4125 - Black, N. Pin Oak	Poletimber Well	1.1	38	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	15	Pole	5		Pin Cherry	Low	5 - 10 feet	Sapling
White Pine	20	Pole	8		White Pine	Low	Variable	Sapling
Red Maple	5	Pole/Sapling	5		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	60	Pole	5	38				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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207 6132 - Mixed Lowland Forest with Cedar Sawtimber Well 10.9 111 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	50	Log/Pole	12	111	Balsam Fir	Medium	Variable	Sapling
White Pine	20	Log/XLog	15		White Pine	Medium	Variable	Sapling
Northern White Cedar	25	Pole/Log	9					
Hemlock	5	Log/Pole	12					

208 4191 - Mixed Upland Deciduous with Conifer Sawtimber Well 6.0 121 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	15	Log	10		Black/Red (Hybrid) Oak	Trace	Variable	Sapling
White Pine	25	Log/Pole	13		White Pine	Full	Variable	Sapling
Red Pine	10	Log	14					
Black/Red (Hybrid) Oak	45	Log/Pole	13	121				

Stand of old black oak mixed with some supercanopy red and white pine. Areas of overmature aspen especially on the north and west side of stand. A thick understory of white pine saplings and small poles. Many of which were damaged by December 2020 heavy wet snowstorm.

209 4199 - Other Mixed Upland Deciduous Poletimber Well 19.5 45 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	30	Pole	6		Pin Cherry	Medium	5 - 10 feet	Sapling
Black Cherry	5	Pole	6					
White Pine	10	Log/Pole	10					
Black/Red (Hybrid) Oak	35	Pole	6	45				
Quaking Aspen	20	Pole	6					

Stand of oak and maple with some scattered aspen clones.

210 4130 - Aspen Sapling Medium 73.7 4 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	85	Sapling	1	4
Red Maple	12	Sapling	1	
Red Oak	3	Sapling	1	

212 4130 - Aspen Poletimber Well 28.1 39 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	80	Pole	6	39	Red Maple	Low	5 - 10 feet	Sapling
Red Maple	15	Pole	5		White Pine	Low	Variable	Sapling
White Pine	3	Pole	5					
Black/Red (Hybrid) Oak	2	Pole	5					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																						
213	4310 - Pine, Oak Mix	Sawtimber Well	9.1	121	81-110	N/A	Poor to medium quality log sized black and red oak mixed with white pine and red pine. This stand was left out of the surrounding thinned stands due to its steep south facing slope.																																						
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214	3102 - Grass	Nonstocked	3.4			No	OPIC - FMD: "G" WITH SCATTERED TREES, W. END HAS LOTS OF W. PINE PULP																																						
215	4123 - Red Oak	Sawtimber Well	8.7	111	111-140	N/A	Cut in 1988-1989 as part of Block 472. The specs were to cut all aspen, red maple and jack pine containing at least one 100-inch pulp stick. Stand was thinned in 2018 down to about 100 BA average under sale 71-015-16, Hot Tub Oak. Very good quality, healthy red oak sawtimber stand. Subcanopy is full of 2 different age classes of red maple saplings from previous harvests.																																						
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216	622 - Lowland Shrub	Nonstocked	2.7	0		No																																							
217	4310 - Pine, Oak Mix	Sawtimber Well	11.5	111	111-140	N/A	This stand is a mix of log sized white pine and oak with a component of aspen, red pine and red maple.																																						
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218	4130 - Aspen	Poletimber Well	26.6	48	81-110	N/A																																							
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219	6127 - Lowland Pine	Sawtimber Medium	3.4	121	141-170	N/A																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																						
220	4130 - Aspen	Poletimber Well	6.3	45	51-80	N/A	Areas with good amounts of oak and maple. Let stand grow another 10 years or so to gain some sawtimber growth.																																						
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222	4130 - Aspen	Poletimber Well	2.0	45	81-110	N/A	Harvest when stand to the west is harvested.																																						
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223	4119 - Mixed Northern Hardwoods	Sapling Well	47.1	20	Immature	N/A	Stand of primarily oak, maple and cherry stump sprouts.																																						
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225	3102 - Grass	Nonstocked	2.2		Immature	No	OPIC - FMD: MIDDLE HAS SPOTS HEAVY TO W/R SAPS/POLES/SAWLOGS																																						
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